

Individualizing Success



Facilitating Tier III Progress Monitoring with ISIS-SWIS





Session Intentions

- Who is PBIS Applications?
- What is ISIS-SWIS?
- Who benefits from ISIS-SWIS?
- How does ISIS-SWIS foster better decision making?
- Discussion (Q & A)



Who is PBIS Applications?



DREGON

College of Education

Educational and Community Supports (ECS) is a research unit within the University of Oregon's College of Education.

ECS focuses on the development and implementation of practices that result in positive, durable, and scientifically substantiated change in the lives of individuals.

ECS engages in federal and state funded projects focused on PBIS to support research, teaching, dissemination, and technical assistance.



Who is PBIS Applications?



OREGON

College of Education

PBIS Applications is a series of educational tools created within ECS and related to the implementation of multi-tiered systems of support (MTSS).

The PBIS Application tools (SWIS, CICO-SWIS, ISIS-SWIS, PBIS Assessment, and PBIS Evaluation) have been utilized in 25,000+ schools domestically and internationally.





Enhanced Social Competence & Academic Achievement

Data

Decision Making Supports

Systems

Staff Behavior Supports

Practices

Student Behavior Supports





PBIS Applications

-2 140704	Applications • Re	sources - Support - About Us
Reput	S Asses	sment 2
Self-Assessment Survey 2.00	How To	Videos
Closed Surveys	HUW-IC	videus
People	n how to manage users	s and find survey links.
Person	Username:	Learn More 4
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PBIS Applications houses tools designed to support evidence-based practices for creating a positive, safe, and effective learning environment for children and adults.





Evaluation Tools

Outcomes

Fidelity





Tools & Resources Grounded in Research

Overall Goal: Make schools more effective learning environments.

Strategy: Repeatedly giving people the right information, at the right time, in the right format is the single most effective way to improve decision making and **valued outcomes**. (Gilbert, 1978)

Behavior: Social behavior is the single most common reason students are excluded from schools.





Closing Performance Gaps

 Performance Gap = the difference between where an organization is and where they want to be.







Closing Performance Gaps

 Gilbert's Behavior Engineering Model (BEM) provides a way to systemically identify barriers to individual and organizational performance.

Environment/ System	 1—Information Clear expectations Timely, specific feedback 	 2—Resources Materials, tools Time Processes 	 3—Incentives Financial & non-financial encouragement
Individual	 6—Knowledge Requisite knowledge	 5—Capacity Ability to learn	4—MotivesDesire to work
Persons	and skill base	and do	and excel







Environment/ System	 1—Information Clear expectations Timely, specific feedback 	 2—Resources Materials, tools Time Processes 	 3—Incentives Financial & non- financial encouragement
Individual	 6—Knowledge Requisite knowledge	 5—Capacity Ability to learn	4—MotivesDesire to work
Persons	and skill base	and do	and excel





Multi-Tiered Systems of Support



Tertiary—intensive, individualized 5% of student population



Secondary—targeted, small group 15% of student population



Universal—primary prevention 80% of student population



Tier III Systems of Support

- Intensive, Individualized Support Level
 - Focus = students who have not responded to universal (primary) or secondary supports
 - Instruction = intensive, supplemental instruction (intervention) delivered individually
 - **Setting** = general environment or other appropriate settings within the school/facility
 - Assessments = continuous progress monitoring, diagnostic





Essential Tier III Systems Elements

Coordinating **Student Support** Data-based **Decision Making** Team Team Outcome and fidelity data A uniquely constructed Tier III systems planning are reviewed by a team exists for each team exists and meets student's support team at individual student support regularly. least monthly. plan.

Team has a defined leader.

Membership represents behavioral expertise, administrative authority, intensive support expertise, knowledge about students, and knowledge about school operations. Student support team is comprised of relevant stakeholders.

Student support team exists to design, implement, monitor, and adapt the *student-specific support plan*. Data are used to modify the *support plan* to improve behavior outcomes and improve fidelity of implementation.





Student Support Plan

Hypothesis Statement

- Operational description of problem behavior
- Identification of context where problem behavior is most likely
- Maintaining reinforcers (e.g., behavioral function) in the identified context

Comprehensive Support

- Teaching strategies
- Strategies for removing rewards for problem behavior
- Specific rewards for desired behavior
- Safety elements, as needed

Systematic Evaluation

- Process for assessing fidelity
- Process for assessing outcomes
- Action plan for implementation





Decision Systems for Outcome Data



Tertiary—intensive, individualized 5% of student population



Secondary—targeted, small group 15% of student population



Universal—primary prevention 80% of student population





What is ISIS-SWIS?



- **ISIS-SWIS** is a decision system for students receiving more intensive, individualized supports for academic, social, or mental health services.
- Teams using **ISIS-SWIS** can:
 - Upload and store documentation.
 - Define data collection measures.
 - Summarize data for decision making.



Advantages of ISIS-SWIS

Efficiency	Equity	Quality	Flexibility
Structured creation and maintenance of student files	Equal access to quality support plan management	Supports compliance with federal procedures for Tier III support	Files and measures tailored to a student's needs
One home for progress monitoring, goal setting, and decision making	Enabling of clear roles, responsibilities, and predictability	Comprehensive student file for quality decision making Documentation of	
Instantaneous access to data		 progress and intervention history 	





Who benefits from ISIS-SWIS?





Better Decisions

ISIS-SWIS FOR DATA-BASED DECISIONS





 School-Wide
 ✓

 Main
 School-Wide
 ✓

SWIS Demo School -

ISIS Main

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	Status	Student	Coordinator	StartDate	Student: Brian Bender
Ð	•	Brian Be	Rose, Margie	Jan 9, 2012	Coordinator: Margie Rose
Ð	•	Carly Joh	Stone, April	Sep 20, 2010	Status: Active
A	•	Bill Ardes	Stone, April	Dec 5, 2010	Implementation: Starting Days In ISIS: 1239
A	•	David An	Rose, Margie	Mar 4, 2011	Start Date: 1/9/12 End Date:
A	•	Lou Arm	Stone, April	Feb 9, 2011	Active Measures: 3
A	•	Mark Banks	Rose, Margie	Oct 12, 2011	Assessments: 2 Support Plans: 1
A	•	Michelle	Rose, Margie	Apr 16, 2011	Team Members: 6
A	•	Neal And	Rose, Margie	Sep 23, 2011	
A	×	Tim Franks	Stone, April	Oct 7, 2011	
A	×	Tina Brent	Rose, Margie	Sep 15, 2011	
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A ISIS Main School-Wide Reports 🛠 Tools 🔻 **ISIS School-Wide Reports** Summary Report 💽 Refresh Report 2014-15 S School Enrolin Students in ISI Discontin On IEP On 504 F Students in CI

SWIS Demo School -

💼 Print

2014-15 School Year					Current as of Jun 1, 2015				
School Enrollment				500	School Enrollment				500
Students in ISIS	10	1	500	2.00%	Students in ISIS	8	1	500	1.60%
Discontinued this Year	2	1	10	20.00%	Starting or Progressing	7	1	8	87.50%
On IEP	6	1	10	60.00%	On IEP	5	1	8	62.50%
On 504 Plan	0	1	10	0.00%	On 504 Plan	0	1	8	0.00%
Students in CICO	4	1	500	0.80%	Students in CICO	4	1	500	0.80%
Students with Referrals	341	1	500	68.20%	Students with Referrals	341	1	500	68.20%
Students with Referrals	341	/	500	68.20%	Students with Referrals	341	/	500	68.20%

Students Status for 2014-15 School Year (10)

Show Names Filter: Solution of the second se										
Student File Status	Student	Coordinator	On IEP	Assessment In Place	Support Plan In Place	Last Fidelity Data Entered	Last Outcome Data Entered	Implementa Status		
Fille	Anderson, Neal	Rose, Margie	Yes	v	×			Starting		
۶.	Anderson-Jones, David	Rose, Margie	Yes	0	O	May 22, 2015	5/25/15	Needs Revis		
۶.	Ardes, Bill	Stone, April	Yes	I	S	Feb 13, 2015	2/10/15	Discontinued		
۶.	Armack, Lou	Stone, April	No	I	S			Starting		
۶.	Banks, Mark	Rose, Margie	Yes	S	O	May 29, 2015	5/28/15	Progressing		
۶.	Bender, Brian	Rose, Margie	Yes	0	S	Jun 8, 2012	6/8/12	Progressing		
۶.	Bier, Michelle	Rose, Margie	No	×	×			Starting		
۶.	Brent, Tina	Rose, Margie	No	I	I	May 22, 2015	5/19/15	Progressing		
۶.	Franks, Tim	Stone, April	No	S	O	Apr 3, 2015	4/7/15	Discontinued		
k	Johnson, Carly	Stone, Anril	Yes			Jun 1. 2012	6/1/12	Progressing		



ISIS Student Data File	View Reports	- K Tools	•			Kelsey Mor	ris' Fa	cilitator Scl	ho
ucy Sanderson					Implementatio	n Status:	Starting	v	9
Dashboard 👤 Student 📑 Assessments	/ BSP / Document	s 📳 Measures 🚽	👍 Team Memb	ers					
Student File for Lucy Sanderson Coordinator: Kelsey Morris						Start D	ate: 4	/6/15 i Mo	dif
Student File Summary			Measure	<u>s</u> (3)					
Description 🔺		Value	Status	Name 🔺		Measure	Туре	Next Collection	
Assessment In Place		O	•	Rate of Di	sruption	Outcome		Apr 20, 2015	
Fidelity Data Last Entry Date	A	pr 17, 2015	•	Room 12 C	On-Task Points	Outcome		Apr 20, 2015	
Implementation Status		Starting	•	Staff Self-	Pating	Fidelity		Apr 20, 2015	
Outcome Data Last Entry Date	A	pr 17, 2015	· ·	Starr Star	Ruting	ridency		Apr 20, 2015	
Student File Status		Active							
Support Plan In Place		⊘							
Assessments / BSP / Documents (8)			Team Me	embers (5)				
Name 🔺	Туре	Date Added	Name		Туре	Team Role	A	Access Level	
Behavior Support Plan (Sanderson.Lucy) rev A	Plan	Apr 17, 2015	Bowman,	anice	Staff	Teacher	N	lo Access	
BSP Data Collection Sheetcombined (Sanders	Other	Apr 17, 2015	Calhoun, I	ebbie	Staff	Morning Aid	le F	ull Access	
BSP Data Collectionon-task points (Sanderson	Other	Apr 17, 2015	Johnson, (Carl	Non-Staff	Parent	N	lo Access	
BSP Seatwork Routine (Sanderson.Lucy)	Other	Apr 17, 2015	Morris, Ke	sey	Staff	Coordinator	r C	Coordinator	
FACTS (Sanderson.Lucy)	Assessment	Apr 17, 2015	Trapp, Ma	ti	Staff	Afternoon A	Aide F	ull Access	
FBA Observation (Sanderson.Lucy)	Assessment	Apr 17, 2015							
Parent Survey (Sanderson.Lucy)	Assessment	Apr 17, 2015							
Student Narrative (Sanderson.Lucy)	Assessment	Apr 17, 2015							





Student File	Data Entry View Tools	3 🔻	Kelsey Morris' Fa	cilitator School 🗸
Lucy Sanderson			Implementation Status: Starting	× 🤊 🔇
ዒ Dashboard 👤 Student ा 📭 Asse	essments / BSP / Documents 🛛 🚰 Measures 🖌	😃 Team Members		
🕂 Add 🖉 Edit			🖂 Email Team 🛛 🛨 Assign Coor	dinator 🛛 😑 Remove
Name 🔺	Team Role	Access Level	Email	Туре
Bowman, Janice	Teacher	No Access	☑ janicebowman423@gmail423.com	Staff
Calhoun, Debbie	Morning Aide	Full Access	debbiecalhoun@krm417.com	Staff
Johnson, Carl	Parent	No Access	➡ carljohnson@krm417.com	Non-Staff
Morris, Kelsey	Coordinator	Coordinator		Staff
Trapp, Marti	Afternoon Aide	Full Access	Martitrapp@krm417.com	Staff











ISIS Main	Student - Data File - Entry	v orts 👻 🏹 T	ools 🔻	Ke	lsey Morris	' Facilitator School
Lucy Sa	anderson			Implementation S	tatus: Start	ting 💌 🔊 🚺
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Status	Name 🔺	Measure Type	Metric Type	Start Date	End Date	Next Collection
Fille	Rate of Disruption	Outcome	Rate	Apr 6, 2015		Apr 20, 2015
۱.	Room 12 On-Task Points	Outcome	Points / Count / Duration	Apr 6, 2015		Apr 20, 2015
Þ	Staff Self-Rating	Fidelity	Scale	Apr 6, 2015		Apr 20, 2015
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easure Type: Fidelity		Status:	Active	*	End Date:			
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Measure Name*		🕂 Add	🖉 Edit					😑 Delet
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Description		1 Morni	ing					
Staff will rate implementation of plan daily on 6-point sale. Rating will be recorded on Carly's daily data sheet.		2 After	noon					
Start Date		4						
4/6/15		Data Colle	ection Sched	lules (1)		Allow Ad	hoc Data	Collection
letric	2	🕂 Add	🖉 Edit					😑 Dele
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		>= 4			Apr 6, 20	15		
Scale Labels(optional)								
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options								





Characteristic	Data Collection Strategies	Process	Appropriate Application	Examples	Appropriate ISIS-SWIS Metric Type
Frequency Frequency is the number of behaviors performed and represents a simple count of responses. Frequency is appropriate for data collection if the same number of opportunities to perform the behavior is stable from period to period.	 Event recording Permanent product recording 	Record each time the student performs a behavior, and count the number of behavior products.	 Discrete behaviors Behaviors that leave a permanent product that can be counted. 	Hand raising, asking for breaks, hitting, writing numbers, assignment completion, written words spelled correctly	Point/Count/Duration Calculated Percent
Rate Rate is the frequency of behavior divided by unit of time. Rate is the preferred dimension when we are <u>interested in</u> <u>capturing fluency of responses</u> or whether the leaner can perform the behavior quickly, accurately, and smoothly. Rate is also useful when observation times vary or when the number of opportunities to perform the behavior varies from session to session and therefore frequency must be converted to rate in order to accurately reflect how often the behavior is occurring.	Rate recording	Record each time the student performs a behavior and divide frequency of behavior by unit of time. $R = F \div T$	 Behavior for which speed and accuracy is important Observation periods that are variable in duration 	Typing on a keyboard, oral reading, on-task or off-task behavior, disruptive behavior, self-stimulatory behavior	Rate
Duration Duration describes how long the learner engages in a particular behavior or, more technically, the time period between the beginning and end of the behavior. Duration is the most critical characteristic for behaviors such as tantrums or outbursts, as these responses can last for several minutes or longer and thus it is important to know how long they are happening.	A. Duration recording B. Latency recording	 A. Record the amount of time the student engages in the target behavior. B. Record the time period between an instructional cue and when the student begins to perform the behavior. 	 A. Behaviors where time is an important dimension; behaviors that have a definite beginning and end B. Situations in which the student takes a long time to respond to a cue or instructions 	Silently reading; playing with peers; crying Responding to teacher directions; leaving the building after a fire alarm; exiting the classroom after the bell	 Point/Count/Duration Summed = represents the total amount of time the learner engages in a response during the observation period. It is obtained by starting and stopping a timer each time the response starts and stops and then noting the total duration of all responses at the end of the observation period. Averaged = represents dividing frequency of responses by the total duration of responses to yield an average duration.





Lucy Sanderson Implementation State By Date Implementation State	En	Starti	ing			•	0	
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Morning Present ¥ 14 🔷 / 10 🔷 : 1.4 / minute								
Lunch/Recess Present Y 12 V 5 C : 2.4 / minute								1
Afternoon Present V 3 V 5 C : 0.6 / minute	C	9		S	ave			





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None ODRs (All Majors & Minors ODRs (Minors) ODRs (Majors) Rate of Disruption Staff Self-Rating	s)		























Free Online Demonstration Site

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erview	SWIS Suite	PBIS Assessment	PBIS Evaluation	Data Integration	Getting Started W	/ith
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To Use the SWIS Suite of Applications



Schools/Facilities need someone local who understands their systems and practices and can help them use their data for decision making.

A SWIS facilitator fills this role and is the key to turning SWIS Suite from a series of applications to tools that transform schools and other educational facilities, enhance student outcomes, and sustain positive change.









ISIS-SWIS Readiness Checklist Individual Student Intervention System

School/Facility:

Certified ISIS-SWIS Facilitator:

Date:

			Status		Next
ISIS-SWIS Requirements	Data Source	Not in place	Partial	In Place	Check
1. Building administrator supports the implementation and use of Tier III interventions as well as ISIS-SWIS.	Administrator Interview				
 Support team(s) exists with training and support for Tier III Interventions and reviews ISIS- SWIS data at both the student and school/facility-wide levels at least twice monthly. 	Team Roster & Meeting Schedule				
 Coordinator(s) within the school/facility are willing to use parameters of student file set up and data entry within ISIS-SWIS as they: 					
 a. Monitor the status of the system of support across individual interventions/students b. Manage student support teams/plans with ISIS-SWIS data c. Set up and monitor ISIS-SWIS student files d. Serve as a liaison between team, students, staff, and families e. Collaborate with ISIS-SWIS Facilitator on ISIS-SWIS user/team member training 	Administrator/ Coordinator Interview				
 4. The school/facility has or will build a clearly documented individual support system within three months of ISIS-SWIS licensing. An Individual Support System includes procedures and materials for: a. Student identification and eligibility b. Training and ongoing communication with stakeholders (i.e., adults, students) c. Assessment d. Intervention planning e. Progress monitoring and decision making 	Written Guidelines				
 Data entry time and staffing are scheduled to ensure that ISIS-SWIS data will be current to within three days at all times. Data entry staff have access to all necessary information (e.g., student records, team records). 	Data Entry & Report Generation Schedule				
6. A small number of people within the school/facility are identified to gain ISIS-SWIS Coordinator and/or school/facility-wide read-only access and are scheduled to attend a 3-4 hour Swift at ISIS-SWIS Training conducted by a certified ISIS-SWIS Facilitator.	Specific Date(s), Time(s), Location, Computers, Internet Access				

Items that are Not in Place or Partially in Place can be organized into an action plan.





ISIS-SWIS Implementation Study

- The Effects of Self-delivered Performance Feedback and Impact Assessment via the Individualized Student Information System (ISIS-SWIS) on Behavior Support Plan Treatment Fidelity and Student Outcomes (Pinkelman, 2014)
- Study Conditions
 - Researcher as ISIS-SWIS Faciliator
 - Provide ISIS-SWIS training
 - Provide follow-up coaching and support
 - Provide ongoing technical assistance
 - Trained teachers as ISIS-SWIS Coordinators
 - Trained educational assistants as ISIS-SWIS Users
 - Held weekly meetings with teachers and educational assistants





ISIS-SWIS Implementation Study

Teacher	Educational Aide	Weekly Meetings
Managed educational goals and programming	Responsible for implementing student support plan interventions	Researcher, teacher, and educational aide
Served as ISIS-SWIS coordinator for file management	ISIS-SWIS user with data entry access	Provided technical assistance and coaching for ISIS-SWIS
	Self-monitored fidelity data	Analyzed fidelity and outcome data for decision
Competent in using ISIS- SWIS to collect, summarize, and analyze data	 Entered student outcome data (percent of points earned, frequency of problem behavior, number of teacher directed tasks) 	making





Fidelity

Dyad 2





Fidelity and Academic Engagement





Fidelity and Problem Behavior





Questions

Answers



