

💦 Maryland

IEP Progress Monitoring and Data-Informed Decision Making

Division of Early Intervention and Special Education Services

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PRESENTED BY

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Importance of Data Collection and Analysis • The Individuals with Disabilities Education Act (IDEA) requires IEP teams document how student progress will be measured and how and when a	
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be monitored.	s to progress will
 Student's progress should be monitored in a frequent and ongoing mar educators can respond and adjust if the student is not making adequate 	ner so e progress.

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Understanding the "Why" and "How" of Data Collection and Analysis	Mar	yland
Collection and Analysis of Data		
 Progress monitoring of IEP goals and objectives occurs on an individually determined basis (at least quarterly). 		
 Analysis of the gap between current performance and grade-level standar age-appropriate expectations occurs regularly. 	dsand	
 Tracking data allows teams to see trends of student progress. 		
 By planning for data collection, the team ensures that the information nee make good instructional decisions is readily available. 	eded to	
 Progress monitoring allows the team to determine if the student is makin adequate progress and whether the need to adjust the specially designed instruction. 	g	
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Understanding the "Why" and "How" of Data Collection and Analysis	💦 Maryland
Data-Driven Planning	
Effective educators continuously assess and analyze data from various assessmer understand student progress and adjust instructional methods accordingly.	nt sources to
 Utilize both formative and summative assessments to ensure that all students, in disabilities, are mastering the material. 	ncluding those with
 Skilled in interpreting data from formal assessments, which are crucial for identif special education services and developing IEPs. 	fying students for
The one pillar and four embedded high leverage practices for data-driven plannir	ng are:
 Use student assessment data, analyze instructional practices, and make necessary adjus student outcomes. 	stments that improve
 Use multiple sources of information to develop a comprehensive understanding of a stu 	udent's strengths and needs.
 Interpret and communicate assessment information to collaboratively design and imple programs. 	ement educational
 Identify and prioritize long and short-term learning goals. 	
 Systematically design instruction toward a specific learning goal. 	
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Exploring the Data Collection Process	A Mar	yland
Measuring Student Progress		
 Types and direction for student assessment will vary from system to system a school. 	and school to	
 The following sources of data allows teams to form and plan their instruction plan to collect that information: 	al decisions ar	d
 Formative Assessments – Methods teachers use to gather information about understanding during the learning process to make instructional decisions. T may include quizzes, written exit tickets, as well as a variety of teacher-made 	it student These methods available tools.	
 Curriculum-Based Assessments – Often used as universal screening tool an within a multi-tiered system of supports to identify and rate the level of stude the school year. 	d can be used ent growth over	
 Performance Assessments – Measures how well students apply their knowle authentic problems by producing something such as a project, report, or per scored against a specific criteria. 	edge and skills formance that i	to s
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Exploring the Data Collection Process	2 Maryland
Examples of Measures	
 Rubrics – Based on a set of guidelines for expected behavior or task ratings. 	accomplishment with
 Level of Independence – Recoding indicates level of support needed high support (physical assistance) to medium support (modeling or support (verbal reminder). 	ed, often ranging from r gesturing), to low
 Task Analysis – Based on what skill or task involves the measure of task. The actual measure may be a "level of independence" or a yes/ 	mastery of steps within a /no frequency.
 Latency Recording – How long it takes for a student to begin a task the time that elapses between a prompt or cue to "start" the task. 	k or behavior. It measures
Duration Recording – Length of time that a student exhibits a behavior	avior.
 Frequency Recording – Recording of events (e.g., number of correc assignment, number of questions answered on topic, number of tin intervals (e.g., number of class periods attended, number of days tu number of adapted assessments scored 80% or greater). 	ct responses on an nes leaving class) or time rned in homework,

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Exploring the Data Collection Process

Frequency Recording: Event and Interval Data

Event recording tracks the number of times a specific behavior occurs within a given period.

This method is best used for behaviors that have a clear beginning and end.
Some examples of behaviors that you may use event recording for are:
Task initiation
Protests to task demands
Inappropriate classroom behaviors
Interval recording tracks whether or not the specific behavior occurs within a given period.
This method involves breaking up the student's day/class period into set time blocks and then the observer indicates "yes" or "no" that the target behavior occurred during that time block.
Some examples of behaviors (elopement, aggression, etc)
Tequently occurring behaviors (elopement, aggression, etc)

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Exploring the Data Collection Process		💦 Ma	ryland
Selecting a Tool			
If you are measuring	You might use		
Occurrence and/or Rate of a behavior	Data collection sheets Frequency recording Interval recording Time sampling		
Accuracy/ Quality of a Skill	 Curriculum-based measures Probes Rubrics Assignments/assessments 		
Level of Independence	Rubrics Task-analysis		
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Exploring the Data Collection Process	💦 Maryland
Graphing Data	
 The team may find it helpful to plot both the expected and actugraph. 	ual data points on a
 Graphing expected and actual data points shows the trajectori while visually assessing whether the student is making sufficient achieve the objective or goal in the estimated time. 	es of the two lines nt progress to
 Remember that it takes at least three data points to show a tre collection needs to occur frequently enough to show progress the school year. 	end and data over each quarter of
 Before analyzing the data, ask the team the following question data collected to process to analysis? 	: Do I have enough
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Exploring the Data Collection Process	
Analyzing Data and Adjusting	
 The purpose of collecting data on student progress is to deter accelerate the student's rate of learning to achieve IEP goals a 	mine if progress is enough to and objectives.
 It is important to consistently track data so that the team may progress. 	/ see trends of student
Teams should not wait until the end of the marking period to	adjust instruction.
 By planning and collecting data, the team ensures that the initiatructional decisions is readily available. 	formation needed to make
 If student progress is not adequate, the team should make ch of the SDI after examining multiple factors. 	langes to one or more elements
 Remember it takes multiple data points to show a trend and a frequently enough to show progress over each quarter of the 	data collection needs to occur school year.

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Exploring the Data Analysis	Process	2 Maryland
Structures and	d Best Practices to Support	Data Analysis
 Integrate time as particular 	rt of team planning or IEP team discussions	5.
 Consider how techr filtering student info via shared documer email, forms, etc.). 	ology can be used to increase accuracy of a ormation, etc.) or collaboration (sharing digi its with other team members, getting inform	nalysis (creating trend lines, tal data sheets, collaborating mation from parents through
 Consider how stand multiple pieces of d 	ard data collection or analysis procedures n ata.	nay support the merging of
 Involve the entire terrelevant data from v outside sources, etc. 	am. Make data collection and analysis a coll various service providers (teachers, related s .) are considered and integrated.	laborative process. Ensure all ervice providers, parents,
Merge multiple data	a sources to gain an overall picture of the st	udent.
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Exploring the Data Analysis Process	Mar Mar	yland
Determining Student Response to General Educat Curriculum and SDI	ion	
 IEP teams will begin thinking about next steps related to the student's programming. These steps may include: 	5	
 New or revised IEP with updated accommodations, services, or goals. Continuation of an intervention that is having the desired effect on stude Continuation of an intervention with increased frequency or intensity to gap. Discontinuing an intervention that is not having the desired effect on stude Changes in the data collection process. 	ent progress. narrow the udent progre	SS.
 During this step, teams will summarize and make recommendations work of the parent or guardian and student, as appropriate. 	with the inp	ut
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Individualized Education Program (IEP) Data Collection Sheet Sample

DIRECTIONS

- 1. Enter the student's name.
- 2. Write out the goal or objective for the student.
- 3. Enter the date.
- 4. To the right of the date, enter the percentage, number of correct responses, number of incorrect responses, prompted response, no response, etc.
- 5. After data collection, graph the data to analyze and evaluate it effectively.

Students Name:

Goal/Objective:

Date	Percentage	Number of correct responses	Number of incorrect responses	Prompted response	No response	Etc.

Goal/Objective:

Date	Percentage	Number of correct responses	Number of incorrect responses	Prompted response	No response	Etc.



Student Info Sample

Student:	
ID #:	
Exceptionality:	
Case Manager:	
School:	
Grade:	
Annual IEP Date:	
Goal and Objectives	

% Data Sam ple

Date	Hour	Half Hour	Mastery Line	Mastery
8/27/2021	60	20	80	
9/3/2021	50	25	80	
9/10/2021	80	25	80	
9/17/2021	80	30	80	
9/24/2021	80	45	80	
10/1/2021	100	40	80	Target 1 Mastered
10/8/2021	100	45	80	
10/15/2021	100	50	80	
10/22/2021	100	50	80	
10/29/2021	100	45	80	





Student Info Sample

Student:	
ID #:	
Exceptionality:	
Case Manager:	
School:	
Grade:	
Annual IEP Date:	

% Data Sample

Date	Hour	Half Hour	Mastery Line	Mastery
8/27/2021	60	20	80	
9/3/2021	50	25	80	
9/10/2021	80	25	80	
9/17/2021	80	30	80	
9/24/2021	80	45	80	
10/1/2021	100	40	80	Target 1 Mastered
10/8/2021	100	45	80	
10/15/2021	100	50	80	
10/22/2021	100	50	80	
10/29/2021	100	45	80	



Goal Sample

Goal:	Given an analog clock, tell time to the hour and half hour	Mastery Criteria:	80% accuracy, 3x quarterly	Goal Status:	Sufficient Progress	Minimum data points required per quarter:



Social Skills Data Collection Sample

Student Name:

Date of session:

Length of session:

Activity:

Frequency:

"3": Demonstrated every opportunity

"2": Demonstrated most opportunities

"l": Demonstrated a few opportunities

"NA": Not applicable

Objective	Did Not Demonstrate	Demonstrated with prompt	Demonstrated w/o prompt	Frequency
Student will greet group members appropriately.				
Student will participate in activity.				
Student will respond appropriately to other students when addressed.				
Student will say goodbye to group members appropriately.				
<u>Comments:</u>				



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Behavior Data Collection Sheet Sample

Aggression	SIB	Unsafe Behaviors	Property Destruction	Physical Noncompliance	Vocal Noncom pliance	Bolt in g	Elopement	Clothing Removal
Head butting; hitting/slapping; kicking grabbing	Biting self	Climbing furniture, climbing on staff, flipping tables	Destroying, swiping, grabbing, or throwing materials	Dropping; falling out of chair, not completing tasks, refusing to comply with demands	Screaming, grunting, or spitting	Leaving designated area of classroom	Leaving the room	Removal of clothing, including shoes and socks

Antecedents:

- 1. Denied access to items/activity
- 2. Preferred item taken away
- 3. Told "no"
- 4. Instructional demand
- 5. Non-instructional demand
- 6. Transition

- 7. Lack of adult interaction
- 8. Interaction with peer
- 9. Wants something done a different way
- 10. Change in schedule/routine
- 11. Continued from previous behavior
- 12. Other (please specify)

PLACE ONE X IN THE APPROPRIATE BOX IF STUDENT ENGAGED IN THAT BEHAVIOR AT ANY TIME THROUGHOUT THE CORRESPONDING TIME INTERVAL.

	Antecedent #	Aggression	SIB	Unsafe Behaviors	P.D.	Physical N.C.	Vocal N.C.	Bolting	Eloping	Clothing Removal	Consequence (What happened directly after the behavior)
8:30 - 8:40											
8:40 - 8:50											
8:50 - 9:00											
9:00 - 9:10											
9:10 - 9:20											
9:20 - 9:30											