

Note:

This case example shows use of PEDS, PEDS:DM Screening Level, and the M-CHAT, all used within a primary health care setting. Due to problematic results, this child was referred to her local early intervention program where the PEDS:DM Assessment Level was administered twice, six months apart. You will see some of the PEDS:DM items (for both Screening and Assessment Level), how the Assessment Level is scored and how the Assessment Level booklets are reused over time with the same child to track progress. Use of PEDS along with the PEDS:DM is called "the Best Approach" because it enables you to know exactly what parents' concerns are, as well as how to rule those concerns in or out.



This is Rachel who came to her 18 month well-visit at age 20 months instead. Fortunately the PEDS:DM has a continuous set of forms so if children arrive between the usual well-visit schedule, there always a single set of items to use.

Child's Name _	Rachel	Parent's Name
Child's Birthday	/	Child's Age 20 months Today's Date
playing	with toys	or your shild talks and makes speech sounds?
Do you have	e any concerns about i	low your child tarks and makes speech sounds?
Do you have Circle one: She's n	No (Tes) A little Not talking a	COMMENTS: as well as my other kids
Do you have Circle one: She's n díd at Do you have	No (Tes) A little Lot talking a that age any concerns about h	COMMENTS: as well as my other kids now your child understands what you say?
Do you have Circle one: She's n did at Do you have Circle one: She w name	No (e) A little that age any concerns about P No Yes A little on't point b d	COMMENTS: as well as my other kids now your child understands what you say? COMMENTS: nut does look at things when

This is what Rachel's dad wrote (as an aside he was an editor and proof-reader currently working with a publisher on a book about autism for parents---which may have sensitized him to the issue of autism).



Here's how this dad's concerns on PEDS were categorized:

Autism concern: other (as are all named developmental and health conditions)

Expressive language

Receptive Language

Clearly there was a need to follow Path A, i.e., high risk



The pediatric clinic Rachel attended used PEDS and the PEDS:DM simultaneously so even though the PEDS:DM isn't really needed with a child at high risk, here's what they found: PEDS Path A, high risk.

PEDS:DM at the 20 - 22 month	level
Does your child try to scribble with crayons or markers?	No/Never tried Sometimes Yes
How many of these body parts can your child point to if you say, "Where are your eyes?" "Where is your nose?" "feet?" "hair?" "mouth?" "ears?"	None 1 1 2 or more 5
If you asked your child, " <i>What's this</i> ?" and showed things like a spoon, cup, doll, truck, box, crayon, cookie, chair, or light, how many names for these or other things does he or she say?	None 1 1 2 or more
Does your child try to jump, even if both feet don't leave the ground?	No et stay on the ground th feet off the ground
When you are dressing your child, does he or she try to put an arm through a sleeve or a leg into pants?	No A little Yes 🚺
Does your child watch people's faces for clues to how they are feeling? Can he or she tell if someone is mad, sad, or happy?	No Not often Yes

Here are the PEDS:DM items at Rachel's age level.



On the PEDS:DM Screening Level, Rachel did well on almost all tasks at agelevel--marked at the top in orange circles (enabling her health care provider who had just started using the PEDS:DM to feel confident completing the PEDS:DM Recording grid in these domains--shown in orange shaded columns). However, Rachel did not pass at age-level in the expressive and receptive language domains, as shown by the black dashes and non-colored columns. The lower levels are not filled in because we don't know the extent of delays when only the age-appropriate items are administered.

Office staff screened her hearing and found it to be normal.

5	Selected items from the Modified					
	м-снат		N	s		
	Please fill out the following about how your child <b>usually</b> is. Please try to answer every question. If the beha you've seen it once or twice), please answer as if the child does not do it.	vior is i	rare (e.g.,			
	1. Does your child enjoy being swung, bounced on your knee, etc.?	Yes	No			
	2. Does your child take an interest in other children?	Yes	No			
	3. Does your child like climbing on things, such as up stairs?	Yes	No	-		
	4. Does your child enjoy playing peek-a-boo/hide-and-seek?	Yes	No			
	5. Does your child ever pretend, for example, to talk on the phone or take care of dolls,	Yes	No			
	or pretend other things?					
	6. Does your child ever use his/her index finger to point, to ask for something?	Yes	No	in the second		
	7. Does your child ever use his/her index finger to point, to indicate interest in something?	Yes	No			
	8. Can your child play properly with small toys (e.g. cars or bricks) without just	Yes	No			
	mouthing, fiddling, or dropping them?					
	9. Does your child ever bring objects over to you (parent) to show you something?	Yes	No			

Because AAP policy urges use of an autism-specific screen at 18 and again at 24 months, Rachel's health care provider also administered the Modified Checklist of Autism in Toddlers (M-CHAT).

The PEDS:DM includes (in the Second Section of the Family Book a number of screens helpful for evidenced-based surveillance, including the M-CHAT).

Rachel passed and autism was thus ruled out. Nevertheless because of her performance on both PEDS and the PEDS:DM, a referral was made to the local early intervention service to assess language skills.

21	PEDS:DM	10. Can your child walk backwards two steps?	No Yes, shuffles or stops	
A	ssessment Version	11. Can your child stand on each foot for a second?	No     Only one foot     Yes	
		12. How does your child walk down stairs?	Not around stairs Scools, clawls or lexxs hand held Puts both feet on each s Puts one foot on each st	
Please tell us what your child can	<ol> <li>Ask your child to write letters of the alphabet starting with "A." How many can be or she write in order?</li> </ol>	<ol> <li>Can your child walk three steps putting one foot in front of the other with heel touching roet</li> </ol>	No Yes, lots of arm-waving Yes, not much arm-wavi	
If you try some of these things wit if he or she doesn't get something	15. Point to the $\Delta$ and say, "Draw this." How did he or she do?	How your child gets along with others: Social-Emotional Skills		
You may need a pencil or crayo shapes, letters and so forth, to h paper if your child needs it. Be su extra paper into this booklar		1. When you smile at your baby does he or she smile back?	No Sometimes Most of the time	
In each section you can stop afte	1b. Say so your child, "Please write these words" (make sure she can't see them while you are reading and give her time to write each one); "give book hope use add (as in "I will add the num- bers")," How many were spelled correctly?	2. Does your baby scale or make speech sounds as a way to get your attention?	No Sometimes Most of the time	
Child's name: Your name:	How your child is learning to take care of himsel	<ol> <li>When you, play gentle tickling games with your halp, does be or she enjoy this?</li> </ol>	No/Haven't tried     Sometimes     Most of the time	
Please use a different colored per the test:	1. Does your baby open his mouth when he sees a bottle, breast. or pacifier?	4. Does your baby like to play peek-a-boor	No/Never tried	
Date (second time) Age: Date (fourth time) Age:	<ol><li>If you try to give more foot than your baby wants, does he keep his lips closed or turn away!</li></ol>	<ol> <li>Does your baby look for new things to p ay with and try to figure out how they work—like busy boxes or squeaking toys?</li> </ol>	No A little	
Date (sixth time) Age:	3. Does your baby try to get to toys that are out of reach?	<ol> <li>Does your child watch other children do things and then try to copy them?</li> </ol>	No/Don't know No: very often Orben	
7	4. Can your baby drink (not souk) from a cup?	<ol> <li>When around other children, does your child try to do things with them, such as feeding or kissing them, or even pushing or tak- ing trys?</li> </ol>	No Not very often Yes	
FY	5. Can your child take off his or her own shoes if you undo the laces or buckles?	<ol> <li>Does your child watch people/s faces for clues to how they are feeling? Can be or she tell if someone is mad, sad, or happy?</li> </ol>	No No: often Yes	
Clause EP Robertsbarr NS Filoweth & Vandermerg I	6. When you are dressing your child, does he or she help by holding out an arm or lifting a foot?	No     Sumetimes     Most of the time		
web: www.peelsteet.com email: express@padet	<ol> <li>When you are decising your child, does he or she try to put an arm through a sleeve or a leg into pants?</li> </ol>	No A little Yes		
	8. Does your child try to help when it is time to put things away?	No     Sometimes     Mot of the time		

The early intervention program administered the PEDS:DM Assessment Level.

This version contains all the items from the screening version but parents (or professionals) administer multiple items in each domain, rather than just 1, in order to get a clearer picture of strengths and weaknesses. Unlike the screening level PEDS:DM that only provides cutoff scores for each domain, the Assessment Level version provides age equivalent scores that can be used to compute percentage of delay. In most States, eligibility for Early Intervention depends on calculating a percentage of delay.

The Assessment booklet is designed to be reused on the same child for detailed progress monitoring. The following slides show the PEDS:DM Assessment Level scores and its progress tracking form.



The PEDS:DM Assessment Level showed that Rachel had strengths in fine motor development, was quite advanced in gross motor development, had a marginal delay in listening, self-help, and socialization, and a more substantive delay in expressive language. Her 15 month level performance in expressive language represented a 25% delay relative to chronological age (15 months divided by 20 months = 75% of skills mastered: or 100% - 75% = a 25% delay)

The program shared the Assessment Grid profile with Rachel's dad and explained that she was clearly focused on building motor skills and less so on language. Understandably, the early intervention staff emphasized the importance of language development as the single best early predictor of school success.

Because eligibility for early intervention required either two 25% delays or one 40% delay, Rachel was not found to be eligible. However, the early intervention program gave her parents information on building language skills (from the PEDS:DM manual) and agreed to review Rachel's progress in six months.

<u>Note:</u> the above is also an example of how delays are computed, i.e., by dividing Rachel's 15 months attainment in receptive language by 20 months (her chronological age) to produce 75% (percentage of skills mastered) and then subtracting 75% from 100% to reveal the extent of delay, i.e., 25% delay.



Rachel's parents made use of the information given to them by the EI program on building language skills. They also telephoned their health care provider for additional advice and were given age-appropriate information handouts from the Reach Out and Read program.

They returned to the EI service in 6 months and Rachel was re-administered the PEDS:DM Assessment Level. This slide reveals (in the yellow additions to the original graph) the progress Rachael made. While still slightly behind in expressive language skills, the trajectory of improvement was clear. Rachel's medical provider continued to monitor her progress and promote development.

## Summary of Rachel case example

PEDS focused the visit (on the need for referral and follow through with AAP guidelines) and prompted for use of the M-CHAT

The PEDS:DM (screening level) confirmed delays—Rachel performed below cutoffs in receptive and expressive language

The PEDS:DM Assessment Level, used by the local EI (and often in NICU Follow-up) produced age-equivalent scores so that percentages of delay could be determined—while also facilitating a view of areas of strength. Although Rachel did not qualify for services, the PEDS:DM Assessment Level helped monitor progress and focused developmental promotion efforts.

