

Webinar Tips

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Meet Your Presenter



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Today's Discussion

- 1. The State of Kindergarten Literacy
- 2. Theory Behind the Well Screening®
- 3. The Well Screening
- 4. Benefits
- 5. Case Studies
- 6. Educational and Clinical Relevance

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The State of Kindergarten Literacy

- The United States Census Bureau (2020) reported that approximately four million children enter kindergarten in the United States each year.
- Many children are not ready for kindergarten across the socioeconomic spectrum.
- 1 out of 4 children from moderate- or high-income families and 1 out of 2 children from lower-income families are not ready for kindergarten (Williams, 2019).



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The State of Kindergarten Literacy (cont.)

- Children are exposed to different levels of literacy and come from diverse socio-economic, cultural, and educational backgrounds.
- Children who do enter kindergarten are heterogenous in their skill set and exposure to preliteracy and language skills.
- 8% of entering kindergartners have significant language disorders that negatively impact academic growth (Norbury et al., 2016; Tomblin et al., 1997).
- Others have estimated that up to 16% of school aged children will have difficulty learning to read (Moats, 2020; Shaywitz, 2003).

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The State of Kindergarten Literacy (cont.)

- Half of the children with language disorders meet criteria for a specific reading disability during elementary years (Catts et al., 2002).
- 16-24% of children with language disorders (Mueller & Tomblin, 2012) and 30% of children with specific reading disability (International Dyslexia Association, 2008) also have attention deficit hyperactivity disorder (ADHD).
- Co-morbid disorders (e.g., diagnosed with more than one disorder) may compound each other, causing multiple learning difficulties for the child.



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Why Screen in Kindergarten?

- The kindergarten classroom is comprised of diverse learners, and professionals want a measure that taps each child's skill set to help individualize instruction.
- Longitudinal studies of language and pre-reading profiles of kindergartners provide valuable information and insights into children who are typical learners, atypical learners, or "at-risk" for learning disabilities (Ozernov-Palchik et al., 2017; Weiler et al., 2018).
- 30 years of research has shown that early identification and intervention during early childhood achieves immediate and sustained developmental benefits (Hebbeler et al., 2007, 2016).



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Why Screen in Kindergarten? (cont.)

- Early identification and early intervention programs generate important benefits for both young children at risk for disability and for those with established disabilities (Owens, 2017).
- Children who get off to a poor start in learning rarely catch up (Adlof, 2020; Torgesen & Burgess, 1998).
- Children who succeed early-on receive the most positive reinforcement leading to a positive self-image, motivation to work hard, and success in school (Ramey & Ramey, 2006; Ramey et al., 2007).
- The old "wait and see" recommendation when a child is lagging behind same aged peers is no longer popular.

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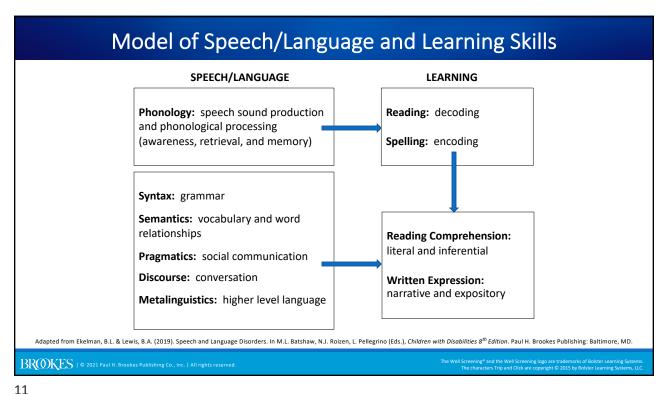
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Theory Behind the Well Screening

- The Well Screening is based on the Model of Speech/Language and Learning Skills (Ekelman & Lewis 2019).
- The Well Screening looks at multiple skill areas across interdisciplinary fields.
- It is helpful to depict the relationships among speech, language, and learning skills when discussing children's unique learning profiles.
- Visualizing these relationships in the form of a model simplifies the process.

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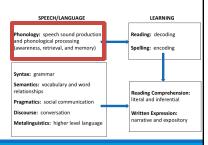


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Speech/Language: Phonology

Speech sound production is the ability to produce the sounds in language correctly. Children with speech sound production disorders (rule-based pattern errors such as consonant cluster reduction "top" for "stop") are at higher risk of having reading difficulties than children with common articulation errors (/w/for /r/ substitution).

Phonological awareness is the ability to manipulate sounds in spoken words, as well as the awareness of the sound structure of language. Deficits in phonological awareness have been identified as one of the strongest early predictors of reading decoding and is commonly used to identify children at risk for dyslexia.



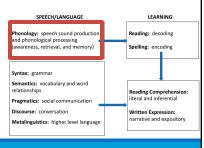
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Speech/Language: Phonology (cont.)

Working memory is the ability to hold a small amount of material in memory for a short time while simultaneously processing the same or other information. Working memory deficits are common among individuals with attention deficit hyperactivity disorder (ADHD) and interfere with the processing of auditory information.

Retrieval is the ability to access stored information efficiently. Efficient retrieval of phonological information is necessary for fluent reading and expressive language.



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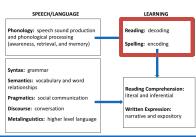
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Learning: Reading, Decoding, and Spelling

Reading (decoding) and spelling (encoding) require an understanding of the alphabetic and orthographic principles.

- The Alphabetic Principle is the awareness that written words are comprised of letters that represent sounds.
- The Orthographic Principle is the awareness that patterns of letters represent syllabic and morphemic (word) structures.



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Phonology → Reading/Spelling

- When the speech/language area of phonology is deficient, it directly interferes with the development of reading (decoding) and spelling (encoding).
- When the learning area of reading (decoding) and spelling (encoding) are deficient, this indirectly interferes with reading comprehension and written expression.
- If individuals have reading (decoding) deficits, they cannot read the information well enough to know what is contained within the text. The same is true for written expression when spelling (encoding) is impaired.

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Phonology → Reading/Spelling SPECH/LANGUAGE Phonology: speech sound production and phonological processing (awareness, retrieval, and memory) Reading: decoding Spelling: encoding Spelling: encoding Reading Comprehension: literal and inferential Written Expression: narrative and expository

Higher-Level Language: Syntax, Semantics, Pragmatics, Discourse, Metalinguistics

Syntax is the system of grammatical structure. Children who struggle with syntax have difficulty comprehending what they read and expressing themselves when writing.

Semantics is the meaning system of language and involves vocabulary and word relationships. Children who struggle with semantics have difficulty getting to the deeper meaning of written information and developing vocabulary.

**Phonology: Speech Application of production and developing vocabulary.

**Reading and involves vocabulary and word relationships.

Pragmatics/Social Communication is the system of appropriate language use in social contexts. Children who struggle with pragmatics have difficulty understanding the context of written information.

Phonology: speech sound production and phonological processing (awareness, retrieval, and memory)

Syntax: grammar

Semantics: vocabulary and word relationships Pragmatics: social communication

Discourse: conversation

Metalinguistics: higher level language

Reading: decoding Spelling: decoding Spelling: encoding S

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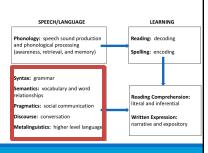
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Higher-Level Language: Syntax, Semantics, Pragmatics, Discourse, Metalinguistics

Discourse involves communication beyond the sentence level. Children who struggle with discourse have difficulty connecting ideas when reading or writing at the paragraph level.

Metalinguistics involves higher level language skills (making inferences, interpreting multiple meanings, understanding figurative language, etc.). Metalinguistic skills become more important as children are expected to move beyond literal interpretation of written material.



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Learning: Reading Comprehension and Written Expression

Kindergarten children are just learning to read and spell, so this portion of the model involves skills that are not yet mastered.

- Reading comprehension is the ability to understand what you read when reading (decoding) is not impaired and fluent.
- Written expression is the ability to write your thoughts down on paper when spelling (encoding) is not impaired and fluent.

Phonology: speech sound production and phonological processing (awareness, retrieval, and memory)

Syntax: grammar
Semantics: vocabulary and word relationships
Pragmatics: social communication
Discourse: conversation
Metalinguistics: higher level language

LEARNING

Reading: decoding

Spelling: encoding

Reading Comprehension: literal and inferential

Written Expression: narrative and expository

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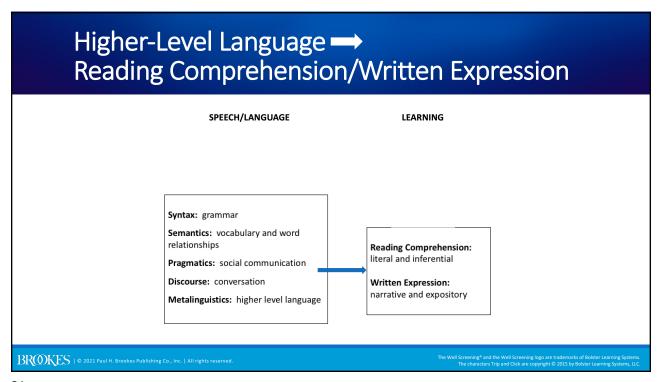
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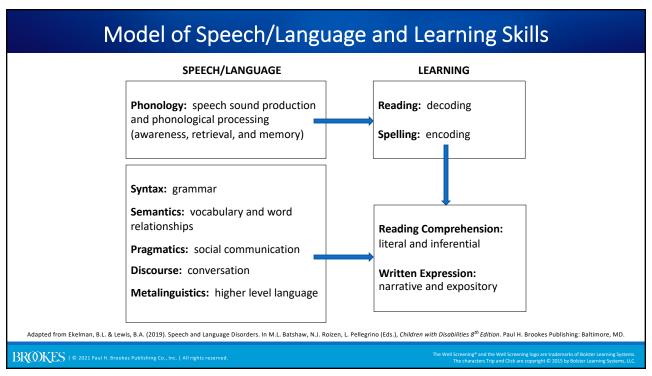
Higher-Level Language → Reading Comprehension/Written Expression

- When the higher-level areas of language (i.e., syntax, semantics, pragmatics, discourse, and metalinguistics) are deficient, this directly interferes with reading comprehension and written expression.
- Children with language vulnerabilities are often missed until third grade when reading and writing demands increase.
- It is important for educators to understand higher-level language areas in order to identify children at risk for language disorders and to target instruction in language for all students given the heterogeneity of the class.

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The Well Screening

Receptive Language: Understanding and processing language when listening and reading

Expressive Language: Retrieving and formulating language when speaking and writing

Social Communication: Using verbal and nonverbal communication in various social contexts

Early Literacy: Learning letter names and their sounds, rhyming, and sound play



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The Well Screening (cont.)

Reading: Blending sounds into words (decoding) with fluency and comprehension

Attention: Maintaining focus and regulating behavior to learn and store information

Speech Sound Production: Producing speech sounds appropriate for age and dialect

Motor Skills: Performing gross, fine, and visual motor movements appropriate for age

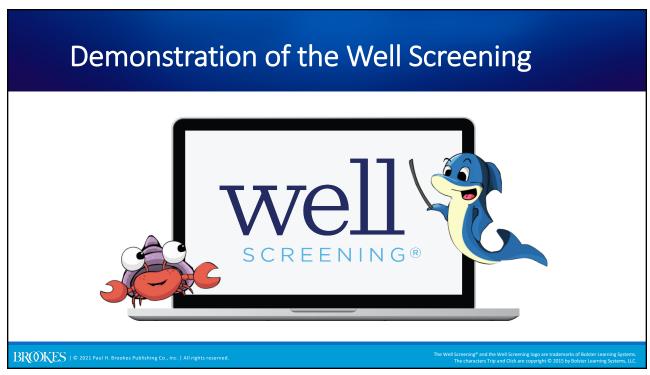


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	I III I B
Domain	Subtest
Receptive Language	Subtest 1: Language Processing
Expressive Language	Subtest 4: Confrontational Naming Subtest 7: Language Formulation
Social Communication	Subtest 5: Pragmatics
Early Literacy	Subtest 3: Word Sound Play Subtest 8: Letter Recognition
Reading	Subtest 9: Real Word Reading Subtest 10: Nonsense Word Reading
Attention	Subtest 2: Number Sequences
Math Calculation	Subtest 6: Calculation
Speech Sound Production	Per report and supplemental testing
Supplemental	
Speech Sound Production Subtest	Downloadable answer form and video on web site
Motor Skills Checklist	Downloadable checklist on web site



Benefits of Using the Well Screening



Gives in-depth personalized results that pinpoint the child's strengths and weaknesses.



Guides instruction for targeted areas that need strengthening.



Engages the child in a light-hearted and fun manner.



Delivers the screening the same way to every child, allowing for consistency and uniformity.



Includes a website that directs users to language and learning information, links, activities, and educational games.

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Case Studies

Andrew

Kindergarten Teacher Comments at K-Fall

- Starting to read
- Listens in class
- Gets along well with his classmates
- No Concerns



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Andre	ew: K-Spr	ing: Lar	nguage and Learning with	nin Normal Limits			
Fall	Winter	Spring	DOMAINS	SUBTESTS	Fall (Scale Sc	Winter ore: Mean=	
ON TRACE.	STEBRATE	CALEBRATE CONTRACTOR	Receptive Language	Language Processing	8	≥13	≥13
JEAKNESS .	O BOLSTER .	ON 18404	Expressive Language	Confrontational Naming Language Formulation	≤7 ≥13	≤7 ≥13	10 12
0 184 C4	ON TRACE.	CHIEBRATE	Social Communication	Pragmatics	8	10	≥13
ON TRACE	(. P.	CALEBRATE C	Early Literacy	Word Sound Play Letter Recognition	11 11	12 8	≥13 ≥13
ON TRACE.	(3 TR4 C.F.)	0 184 C4	Reading	Real Word Reading Nonsense Word Reading	9 N/A	10 12	9 10
ON TRACE.	LEBERTE	SERATE O	Attention	Number Sequences	12	≥13	≥13
SN TRACA	(S. 114 ct.)	**************************************	Math Calculation	Calculation	11	9	9
ON TRACE.	(S. Mact	ON 184 C.F.	Articulation	Speech Sound Production	N	o issue	es
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Max

Kindergarten Teacher Comments at K-Fall

- Enjoys story time
- Good attention
- Has a great imagination
- Gets along well with his classmates
- No Concerns



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Fall	Winter	Spring	DOMAINS	SUBTESTS	Fall (Scale Sc	Winter ore: Mean=	
ON TRACE.) (° STRACE)	CHIEBBRY.	Receptive Language	Language Processing	8	9	≥13
CALEBRANA	SIEBRATA	CREER ATE	Expressive Language	Confrontational Naming Language Formulation	≥13 11	≥13 11	≥13 12
ON TRACA	(C C C C C C C C C C C C C C C C C C C	ON 18404	Social Communication	Pragmatics	10	10	10
ON TRACE	JEAKNES,	O BOLSTER	Early Literacy	Word Sound Play Letter Recognition	9 10	≤7 8	≤7 8
S. S	JEAKNES, O	O BOLSTER	Reading	Real Word Reading Nonsense Word Reading	N/A N/A	≤7 N/A	10 ≤7
CHERRY.	(or TRACA	Attention	Number Sequences	≥13	10	8
7.7.7.8.8 P. T.	SIEBRATE	° 184° C4	Math Calculation	Calculation	11	11	9
ON TRACA	(°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°	ON TRACE.	Articulation	Speech Sound Production	N	o issue	es
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Cindy

Kindergarten Teacher Reports at K-Fall

- Does not get to the point when talking
- Uses filler words (i.e., um, the thingy, you know, etc.)
- Does not know the names of letters or numbers
- Has trouble communicating with peers
- Does not always pay attention



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Fall Winter Spring	DOMAINS	SUBTESTS	Fall (Scale Sco	Winter ore: Mean=:	
ON TRACE ON TRACE ON TRACE ON TRACE	Receptive Language	Language Processing	8	10	≤7
deakness deakness deakness	Expressive Language	Confrontational Naming Language Formulation	≤7 ≥13	≤7 8	≤7 9
ON TRACE	Social Communication	Pragmatics	10	8	8
S SOLSTER ON TRACE	Early Literacy	Word Sound Play Letter Recognition	12 ≤7	11 ≤7	8 8
Deptices of the series of the	Reading	Real Word Reading Nonsense Word Reading	N/A N/A	≤7 N/A	≤7 9
APAKNON ON TRACE	Attention	Number Sequences	≤7	8	9
de AKNess Os TRACE	Math Calculation	Calculation	≤7	≤7	8
ON TRACE ON TRACE	Articulation	Speech Sound Production	N	lo Issue	S

Anita

Kindergarten Teacher Reports at K-Fall

- Uses immature speech
- Is quiet
- Does not contribute during class discussion
- Mispronounces words with the /r/ sound



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			sk for Speech-Language I				
Fall	Winter !	Spring	DOMAINS	SUBTESTS	Fall (Scale Sc	Winter ore: Mean=	
ON TRACA	JEAKNESS .	ON TRACE	Receptive Language	Language Processing	8	≤7	10
JEAKNES.	JEAKNES,	HEAKNESS	Everyonius Lawrence	Confrontational Naming	≤7	≤7	≤7
O POLETER!	Constet 1	POLSTER	Expressive Language	Language Formulation	≤7	≤7	9
denkness.	ON TRACE	GENGTA O	Social Communication	Pragmatics	≤7	10	≥13
0 184c4	ON TRACE	ON TRACE	Early Literacy	Word Sound Play	10	11	9
			Larry Literacy	Letter Recognition	11	10	10
ON TRACA	OT TRACE	ON TRACA	Dooding	Real Word Reading	12	11	8
			Reading	Nonsense Word Reading	11	8	8
ON TRACE.	ON TRACE	ON TRACE	Attention	Number Sequences	9	12	9
ON TRACE.	ON TRACE	0 184 CF	Math Calculation	Calculation	9	8	8
deakwaga O BOLSTER	A BOLSTEE	O BOLSTER	Articulation	Speech Sound Production	r	distort	ion
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Evie

Kindergarten Teacher Reports at K-Fall

- Does not pay attention
- Does not seem to understand class directions or rules
- Interferes with her classmates' play
- Does not use speech to communicate wants or needs
- Has trouble with group activities
- Uses immature speech when talking



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Evie: K-Sprin	g: At Risk	for Language, Learning,	Attention, and Social Com	munica	tion Iss	sues
Fall Winte	r Spring	DOMAINS	SUBTESTS	Fall (Scale Sc	Winter ore: Mean=	
Jenkner Jenkner	COLEBRAÇÃO	Receptive Language	Language Processing	≤7	≤7	12
JEAKNERS JEAKNERS	SOLSTER	Expressive Language	Confrontational Naming Language Formulation	≥13 ≤7	12 ≤7	≥13 ≤7
ASAKNESS ASIST	ASPAKNARA O BOLSTON	Social Communication	Pragmatics	≤7	≤7	≤7
ASAKNER ASAKNER	SOLSTER	Early Literacy	Word Sound Play Letter Recognition	≤7 12	≤7 ≥13	≤7 10
ON TRACE	ON TRACE	Reading	Real Word Reading Nonsense Word Reading	11 N/A	≥13 10	≥13 9
Sealstill SeakNess	SOLSTER	Attention	Number Sequences	≤7	≤7	≤7
SOLSTE ON TRACE	CALEBRACE	Math Calculation	Calculation	≤7	11	11
ON TRACA	ON TRACE	Articulation	Speech Sound Production	N	o issue	es
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Christopher

Kindergarten Teacher Comments at K-Fall

- Speech is unintelligible
- Difficulty with rhyming
- Does not know letter sounds
- Below his classmates in all skills
- Gets along well with his peers
- Uses a lot of nonverbal gesturing
- His classmates help him with classroom activities even though they can't understand him



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Fall Winter Spring	DOMAINS	SUBTESTS	Fall (Scale Sc	Winter ore: Mean=	
O BOLSTER O BOLSTER	Receptive Language	Language Processing	≤7	≤7	≤7
denkner de la trace de la trac	Expressive Language	Confrontational Naming Language Formulation	10 ≤7	≥13 ≤7	≥13 9
Company Compan	Social Communication	Pragmatics	≥13	≥13	≥13
ON TRACE SEARCH	Early Literacy	Word Sound Play Letter Recognition	9 12	≤7 ≥13	≤7 ≥13
ON TRACE ON TRACE	Reading	Real Word Reading Nonsense Word Reading	9 N/A	≤7 N/A	8 9
ALAKNOCA CALLERANT	Attention	Number Sequences	≤7	10	11
Solsting Solsting Or TRACE	Math Calculation	Calculation	≤7	≤7	8
deakners deakners deakners deakners	Articulation	Speech Sound Production	Mul	tiple Er	rors

Educational and Clinical Relevance

- Because kindergarten students are "moving targets," a screener should be administered throughout the school year (fall, winter, and spring).
- This is especially true for at-risk children who are identified at the beginning of the school year.
- Some of the at-risk children make significant gains with more exposure and become typical learners.
- Other children are found to be atypical learners because of language-learning deficits.



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Educational and Clinical Relevance (cont.)

- On occasion, a child who presents as a typical learner at the beginning of the school year may not progress accordingly.
- These children often memorize the names of letters and sight words prior to entering kindergarten, but they have deficits in phonological awareness and/or retrieval skills, so reading and writing development stalls as the school year progresses.
- The Well Screening helps to differentiate the underlying predictors of early literacy acquisition.



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Educational and Clinical Relevance (cont.)

- Students who pass the screening in the fall are considered Tier 1 and receive classroom instruction emphasizing early literacy and language skills (continue monitoring).
- Students who do not pass the screening should be discussed by the team (See Chapter 6 in the Well Screening Manual: Interpretation and Follow-Up).
 - Some of the students will be identified as Tier 2, needing targeted and focused small group instruction because of lack of exposure.
 - Other students will be referred for full evaluations and identified as Tier 3 needing intensive and individualized instruction because of a diagnosed language-learning disorder.



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Start Screening

The Well Screening® Starter Kit has everything you need to start screening!

- Examiner's Manual ebook
- 25 Screening Codes (+1 practice code)

https://bpub.fyi/Well-Screening



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