

History of Measuring Adaptive Behavior Structure of the Vineland-3 Standardization New Features of the Vineland-3: • Interview Form • Parent/Caregiver & Teacher Forms • Domain-Level Forms Online Administration, Scoring, & Reporting with Q-global Training Resources

History of Measuring Adaptive Behavior

- Early 1900's The construct of <u>adaptive</u> <u>behavior</u> has early roots in the history of defining Intellectual Disability (ID).
- ➤ 1950 The American Association on Mental Deficiency published a manual that formally including adaptive behavior deficits, in addition to sub-average intelligence, as part of the definition of ID.



Adaptive Behavior in DSM-5 and AAIDD

In the most recent literature, adaptive behavior has been given <u>equal</u> (AAIDD, 2010) or <u>greater</u> (DSM-5) emphasis that IQ scores in classification of ID.

Educational Classification

 IDEA highlights the importance of adaptive behavior assessment in determining eligibility for Special Education services for children from infancy through age 21.



Intellectual Disability in the DSM-5 & AAIDD

AAIDD:

- Intellectual disability is characterized by significant limitations in both intellectual functioning and in adaptive behavior.
- · This disability originates before the age of 18.

DSM-5:

- Intellectual disability involves impairments of general mental abilities that impact adaptive functioning in three domains (Conceptual, Social, and Practical).
- These three domains determine how well an individual copes with everyday tasks.



Definition of Intellectual Disability – AAIDD and DSM-5

Intellectual Functioning

- "General mental capacity, such as learning, reasoning, problem solving"
 - Typically, an IQ score of around 70 or as high as 75 indicates a limitation in intellectual functioning.

Adaptive Behavior

 "The collection of conceptual, social, and practical skills that are learned and performed by people in their everyday lives"



Adaptive Domains – AAIDD and DSM-5

- The conceptual domain includes skills in language, reading, writing, math, reasoning, knowledge, and memory.
- The social domain refers to empathy, social judgment, interpersonal communication skills, the ability to make and retain friendships, and similar capacities.
- The <u>practical domain</u> centers on self-management in areas such as personal care, job responsibilities, money management, recreation, and organizing school and work tasks.



Intellectual Disability: Additional Considerations

In defining and assessing intellectual disability, the AAIDD stresses that additional factors must be taken into account...

- <u>Community and environment</u> typical of the individual's peers and culture.
- > <u>Linguistic diversity</u> and <u>cultural differences</u> in the way people communicate, move, and behave.
- > Assessments must also assume that <u>limitations in individuals</u> often coexist with strengths, and that a person's level of life functioning will improve if appropriate personalized supports are provided over a sustained period.



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| History of the <i>Vinelan</i> | nd Vineland |
|--|---|
| Vineland Social Maturity Scale (1935 & 1965) | Vineland Adaptive Behavior Scales (1984; 2005; 2008; 2016) |
| Edgar Doll | Sara Sparrow, David Balla, Dominic Cichetti |
| Adaptive behavior is developmental and multidimensional. | Education for All Handicapped Children Act of 1975 (now IDEIA). Included domains Socialization, Communication, Daily Living Skills, Motor Skills. |
| Adaptive behavior is best assessed using a third-party administration. | Most reliable method of obtaining accurate information on adaptive behavior is through a clinical interview with parent or caregiver. |



About the Vineland-3

- > Long history of research; Dates back to 1935
- ➤ Aids in diagnosis and provides valuable information for developing educational and treatment plans.
- Can be used for individuals with ID, ASD, ADHD, Brain Injury, Hearing Impairment, Dementia/Alzheimer's

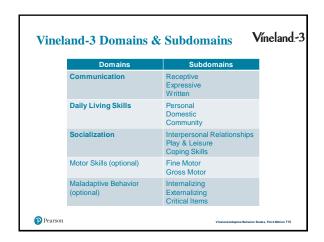
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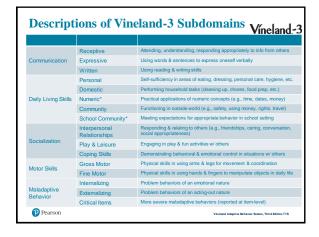
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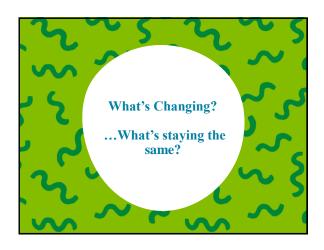
Structure of the Vineland-3 • The first three (core) domains align with the major adaptive behavior areas for the diagnosis of intellectual disability (ID): • Communication (Conceptual) • Daily Living (Practical) • Socialization (Social) * AAIDD, 2010; DSM-5

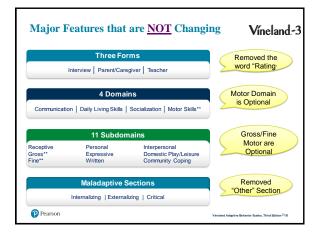
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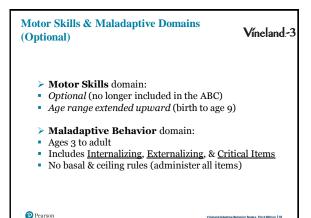
| Struc | ture of | the Vin | eland | 3 | V | íneland |
|----------------------------|---|------------------------------------|---|------------------------------------|---|---|
| | | view rm | Parent/Care | egiver Form | | cher rm |
| | Comprehensi ve | Domain- Level | Comprehensi ve | Domain- Level | Comprehensi ve | Domain- Level |
| Core Adaptive Scores | 3 Domains 9 Subdomains Overall ABC | 3 Domains Overall ABC | 3 Domains 9 Subdomains Overall ABC | 3 Domains Overall ABC | 3 Domains 9 Subdomains Overall ABC | 3 Domains Overall ABC |
| Optional Domains | Motor Skills Maladaptive Behavior | Motor Skills Maladaptive Behavior | Motor Skills Maladaptive Behavior | Motor Skills Maladaptive Behavior | Motor Skills Maladaptive Behavior | Motor Skills Maladaptive Behavior |
| Age Range | Birth to 90+ | 3 to 90+ | Birth to 90+ | 3 to 90+ | 3 to 21 | 3 to 21 |
| Item Count | 502 | 195 | 502 | 180 | 333 | 149 |

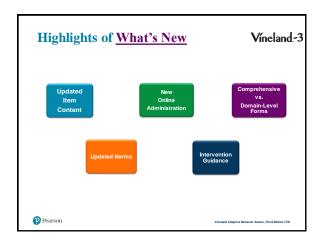












Updated Item Content for Vineland-3 Vineland-3

- Item content updated to reflect changes in the nature of everyday life as well as changes in the conceptions of developmental disabilities (e.g., autism spectrum disorders).
- Outdated items were dropped or modified & many more contemporary items have been added.
- Incorporates more <u>culturally sensitive</u> wording to allow for cultural differences.

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Vineland Adaptive Behavior Scales, Third Edition | 21

Changes to the Parent/Caregiver Vineland-3 & Teacher Forms

- > Basal and ceiling rules to Parent/Caregiver + Teacher forms
 - Comprehensive versions only; all items completed for Domainlevel forms
- > Interview + Parent/Caregiver forms are now separate
 - New, separate norms
 - Item wording differences Same topics covered w/ simplified wording for Parent/Caregiver Form (5th grade reading level)
- > Spanish-language Parent/Caregiver form available
- · Paper forms or digital format available for online completion

Pearson

Vineland Adaptive Behavior Scales, Third Edition I

Modified wording for response choices Vineland-3

- Usually or Often = 2 pts
- Sometimes = 1 pt.
- Never = o pts.
- "Sometimes" has replaced "Partially" to distinguish activities that are performed partially vs. activities performed independently sometimes
- Eliminated "Don't Know" and "No opportunity"
- "Estimate" option remains available

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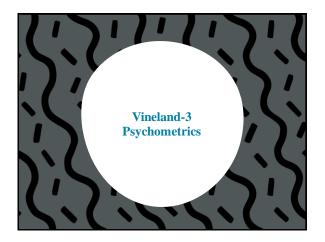
Vineland Adaptive Behavior Scales, Third Edition 123

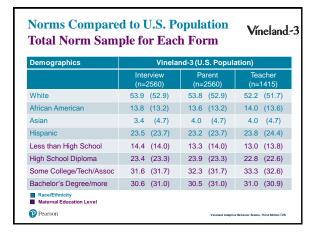
IMPORANT REMINDER:

- Adaptive behavior scores should reflect what a person chooses to do, not what they are capable of doing.
- Scores should best describe what the person does on his or her own without needing help or reminders.

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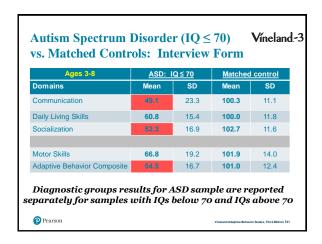


| Domain | Interview | Parent | Teacher |
|-----------------------------------|-----------|--------|---------|
| Communication | .95 | .97 | .97 |
| Daily Living Skills | .94 | .97 | .96 |
| Socialization | .96 | .98 | .98 |
| Adaptive Behavior Composite | .98 | .99 | .99 |
| Motor Skills | .90 | .96 | .96 |
| Communication | .93 | .94 | .93 |
| Daily Living Skills | .92 | .93 | .92 |
| Socialization | .94 | .95 | .95 |
| Adaptive Behavior Composite (ABC) | .97 | .97 | .97 |
| Motor Skills | .86 | .91 | .91 |

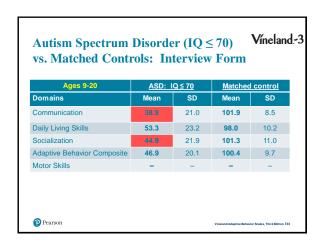
Clinical Sensitivity for Intellectual Disability
Vineland-3 (Comprehensive Interview Form) Comparison of the percentage of individuals with ID (vs. matched controls in parentheses) having Adaptive Behavior Composite (ABC) scores falling at or below 75 in four samples: IQ Range School-Age with ID Adults with ID 79% ABC ≤75 (vs. 2%) IQ 50 - 70 90% ABC ≤75 (vs. 0%) 10 < 50 93% ABC ≤75 (vs. 2%) 100% ABC ≤75 (vs. 0%) Nearly all mean ABC & domain-level scores are below 70 for individuals with IDSupports the use of the Vineland-3 as a valid instrument for assessing adaptive deficits for determinations of ID.

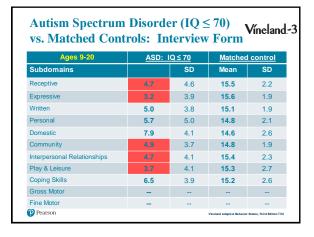
| Developmentally Delayed vs. Vínelar Matched Controls (Interview Form) | | | | ínelan |
|---|-------------------------|------|---------|-----------|
| Comprehensive Form Domains/ABC | Developmentally delayed | | Matched | l control |
| | Mean | SD | Mean | SD |
| Communication | 74.9 | 19.0 | 102.2 | 14.2 |
| Daily Living Skills | 80.0 | 17.1 | 100.0 | 14.7 |
| Socialization | 80.7 | 16.7 | 99.4 | 12.5 |
| Adaptive Behavior Composite | 77.0 | 14.5 | 100.8 | 14.1 |
| Motor Skills | 79.3 | 18.1 | 101.7 | 14.0 |

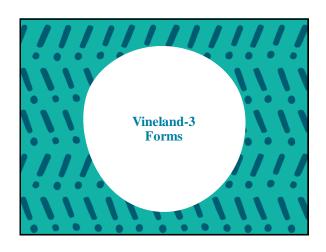
Diagnostic group results: Autism Spectrum Disorder Distinct patterns of results were observed in the ASD sample Vineland-3 subdomains most relevant to deficits in social communication & social interaction include: ❖ Communication → Receptive & Expressive ❖ Socialization → Interpersonal relationships & Play & Leisure The Critical Items category of Maladaptive Behaviors captures behaviors such as repetitive movements & speech, fixated interests, unusual sensory experiences & lack of response to pain Pearson

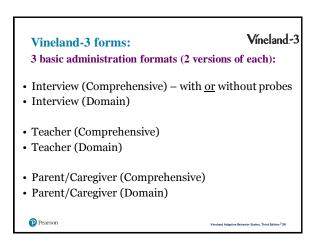


| Ages 3-8 | ASD: I | Q ≤ 70 | Matched control | |
|-----------------------------|--------|--------|-----------------|-----|
| Subdomains | Mean | SD | Mean | SD |
| Receptive | 5.6 | 4.4 | 15.2 | 2.3 |
| Expressive | 3.8 | 4.1 | 15.4 | 2.3 |
| Written | 8.6 | 5.4 | 14.7 | 2.5 |
| Personal | 5.7 | 4.3 | 14.9 | 2.6 |
| Domestic | 8.3 | 3.0 | 15.0 | 2.4 |
| Community | 7.2 | 3.5 | 15.2 | 2.8 |
| Interpersonal Relationships | 4.9 | 3.2 | 15.6 | 2.7 |
| Play & Leisure | 5.7 | 4.0 | 15.5 | 2.6 |
| Coping Skills | 7.9 | 2.5 | 15.2 | 2.5 |
| Gross Motor | 9.3 | 4.1 | 15.3 | 2.5 |
| Fine Motor | 7.7 | 4.0 | 15.1 | 2.6 |









Domain-Level Forms

Vineland-3

- Brief administration format
- o Consists of items drawn from each subdomain in the Comprehensive form.
- Provides overall scores for each domain & the ABC (no subdomain scores are provided).
- This format may be a better choice if:
 - > If the primary focus of assessment is eligibility determination
 - > If a relatively brief assessment is desired or time is limited.
 - Can be used for progress-tracking purposes or if further evaluation is needed in a particular domain of functioning
 Pearson



Domain-Level Forms

Víneland-3

· Age Ranges:

• Interview Form: 3 to adult Parent/Caregiver Form:Teacher Form: 3 to adult 3 to 21

Administration Time:

• Interview Form: ~25 minutes Parent/Caregiver Form: ~10 minutes • Teacher Form: ~10 minutes

No basal and ceiling rules

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Vineland-3 Interview Form:

Vineland-3

· Open-ended questions elicit more descriptive information about the true frequency & independent application of behaviors.



Comprehensive Interview Form -Vineland-3 with Item Probes (sample page) - Paper Format RECEPTIVE





Preparing to Administer the Vineland-3

- 1. Decide Which form(s) to administer
- 2. Select the respondent(s)
- 3. Decide between paper and online administration
- 4. Decide whether or not to include the optional Motor Skills and Maladaptive Behavior domains

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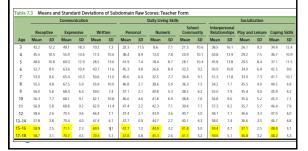
Decide Which Form(s) to Administer: Parent/Caregiver & Teacher Forms

 Teacher form is usually used in <u>conjunction</u> with either Interview or Parent/Caregiver form to provide a view of the examinee's adaptive functioning from a second source and in a setting different from the home.



Decide Which form(s) to Administer: Students over age 18

When using the Teacher Form to evaluate students 19, 20, or 21, use the norms for 18-year-olds.



Select the respondent(s)

1) Parent/Caregiver Form

- Someone living in the same home.
- · Residential someone who provides care

2) Teacher Form

- Should have frequent contact with the child for at least 2 months.
- · Classroom or special education teacher is ideal.
- · Should not be completed by babysitter or nanny



Decide between paper and online administration

Online:

Can be complete on computer, tablet, or a smartphone

Advantages:

- No need to order, store, mail paper forms
- Software automatically administers the correct items in the correct sequence
- · No basal or ceiling rules to track
- Immediate, error-free scoring, and reporting $_{\mathbb{P}^{\text{Pearson}}}$

Decide whether or not to include the optional Motor Skills and Maladaptive Behavior domains

Motor Skills: Birth → Age 9

Maladaptive Behavior: Ages 3 → Adult

*All domains can be administered as stand-alone tests (using paper/pencil booklet), but Communication, Daily Living Skills, and Socialization must be completed to obtain the ABC score.

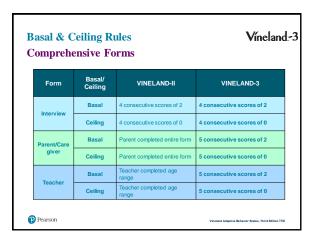


Additional Administration Considerations

Comprehensive Form: Basal and Ceiling Rules

- No basal or ceiling rules on:
- Domain form
- Motor domain
- > Maladaptive behavior domain
- Start-points are examiner-assigned developmental ages
 - Cross out areas not completed for Parent/Caregiver





Preparing the booklet for the Respondent

Domain Form:

- > Cross out Motor and/or Maladaptive Behavior
- > Summarize Scoring procedures (Directions page of form)

Comprehensive Form:

- Mark Start Point
- > Note Ceiling Rule (5 scores of o in a row)
- > Summarize Scoring procedures (Directions page of form)



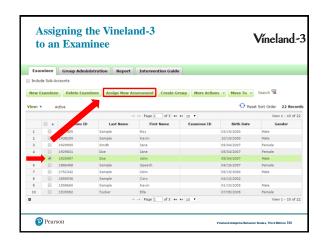
Reminders for Parents: Scoring Procedures

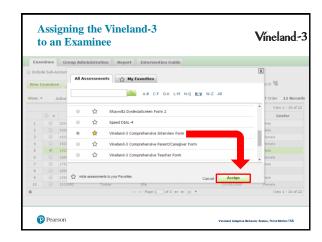
- Items should be scored according to what the examinee does independently, without help or prompting.
- If the examinee does not currently perform a behavior, but he or she performed it when younger and has
 outgrown it, 2 is the appropriate score.
- If the examinee does not currently perform a behavior and has never performed it (e.g., has not yet learned the behavior), 0 is the appropriate score.
- If the respondent has to guess an item score, he or she should check the Estimated box (abbreviated on the paper forms as Check if Est) for that item.

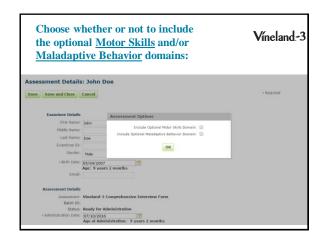
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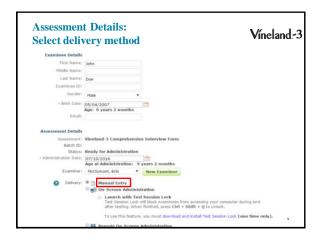
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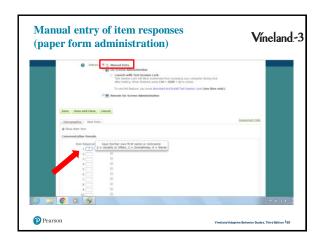




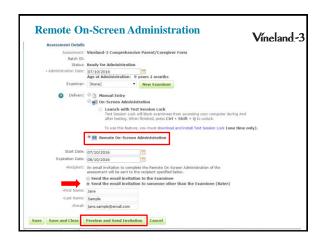


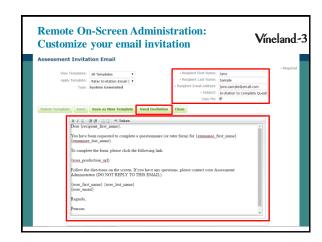






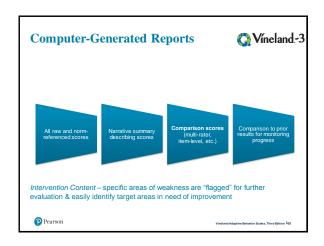


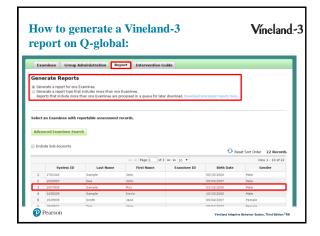


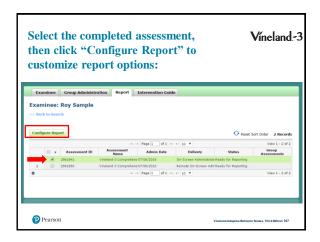


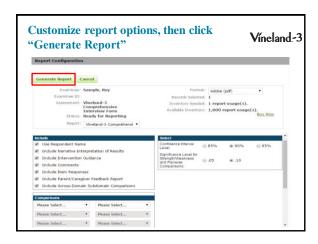




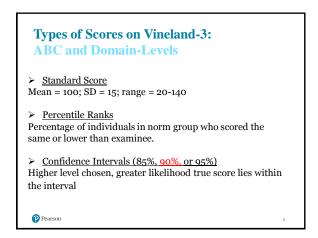








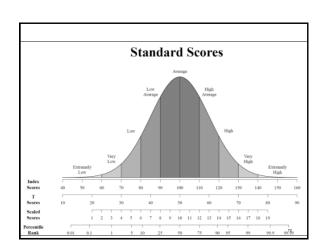




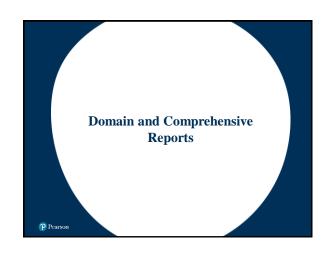
Types of Scores on Vineland-3:
Sub-domains

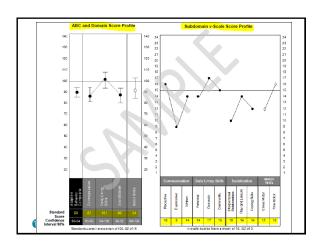
> V-scale is a scaled score with a mean of 15 and SD of 3;

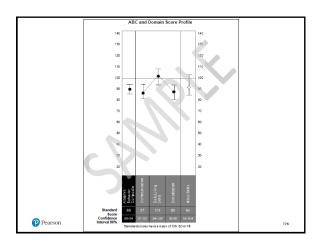
> Range = 1 - 24 - greater score range allows for greater differentiation among extremely impaired individuals.



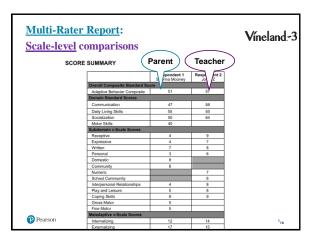
| Adaptive Level | Subdomain <i>v-scale</i> Scores | Domain and ABC Standard Scores | |
|-----------------|------------------------------------|-----------------------------------|--|
| High | 21 to 24 | 130 to 140 | |
| Moderately High | 18 to 20 | 115 to 129 | |
| Adequate | 13 to 17 | 86 to 114 | |
| Moderately Low | 10 to 12 | 71 to 85 | |
| Low | 1 to 9 | 20 to 70 | |

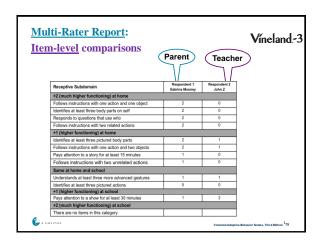


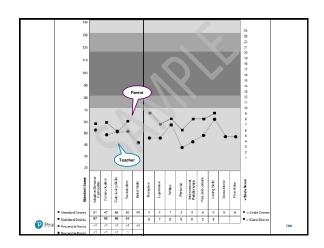






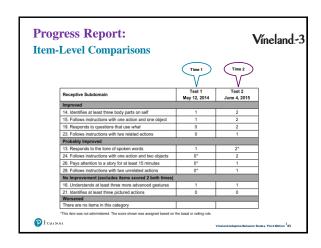


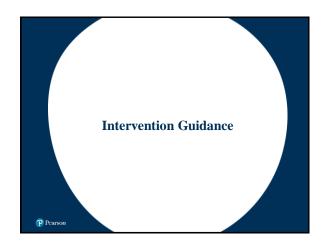


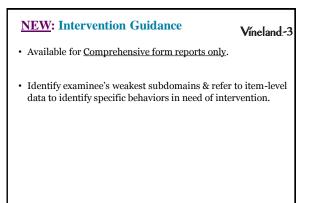




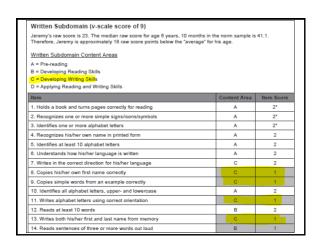
Progress Report: Compare results across administrations Compare results over time for up to five administrations of the same form (Interview, Parent/Caregiver, or Teacher) – regardless of whether the brief (Domain-Level) or full-length (Comprehensive) versions of the forms were used on different occasions. Scores for the ABC & core domains can be compared across administrations, as well as subdomain-level results However, different formats (Interview – Parent – Teacher) should not be compared – results may be confounded by behavioral changes in home vs. school settings.







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...For more information on digital administration, scoring, & reporting via Q-global:

Visit HelloQ.com for more information about Q-global

Free training webinars are available on the Vineland-3 product page at www.pearsonclinical.com

Vising the Vineland-3

Presenter: Arm-Mare Vinela 1, PED

Was at Part

This webow will provide information about using the new Vivelend-3 both in traditional administration, scoring, and product, Presented with State platform for text

administration, scoring, and more of the Q-global for new Vivelend-3 both in traditional administration, scoring, and more of the Q-global for new Vivelend-3 both in traditional administration, scoring, and MEDT

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