



Reporting

*Using an Ecological Perspective to Screen Young Children
for Developmental Risk and Resilience*

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A young child in a classroom is pouring water from a green pitcher into a glass. An adult's hands are visible, holding the glass. The background shows a classroom setting with a table and chairs.

Neurodevelopmental

Ecological

Screening

Tool

An instrument to screen children's development that can be administered by nonclinical staff in low-resourced settings

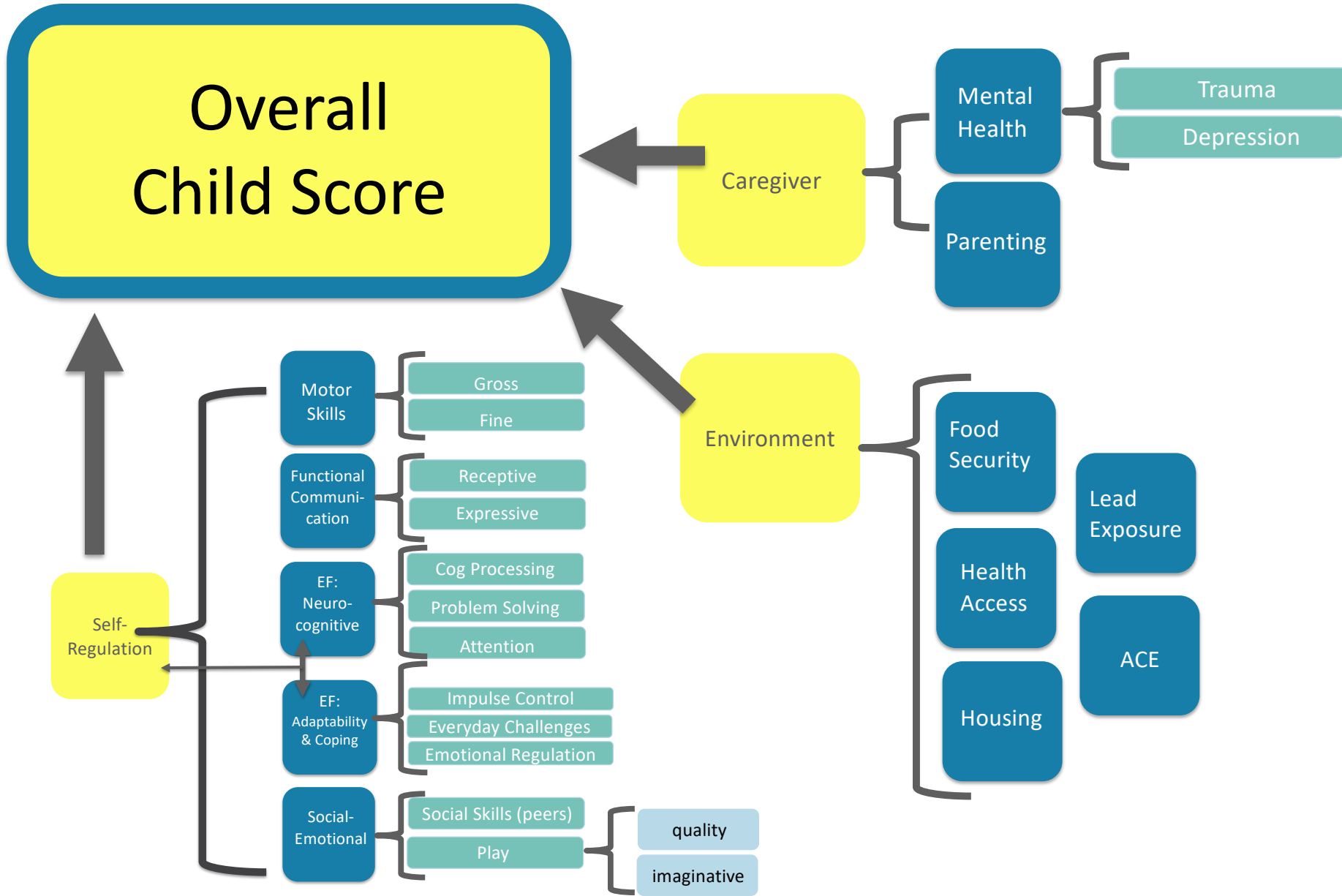
A young child in a classroom is pouring water from a green funnel into a glass. An adult teacher is leaning over the child, observing the activity. The background shows a typical classroom setting with a table, chairs, and educational posters on the wall.

Reporting

- Understanding NEST Scores
- Interpreting results
- Making Recommendations
- Sharing Results with Families
- Monitoring and Re-screening
- Types of Reports Available



Understanding NEST Scoring



Score Legend

Overall NEST Score

0 = Low risk

1 = Moderate risk

2 = High risk



Interpreting results

Age-graded Scores

- ✓ All scores have been adjusted based on what is expected for a child's age.
- ✓ Scores are based on 6 month time intervals between ages 3 and 5.
- ✓ Results provide a snapshot of how a child is developing at a point in time.



Overall NEST Score Descriptors

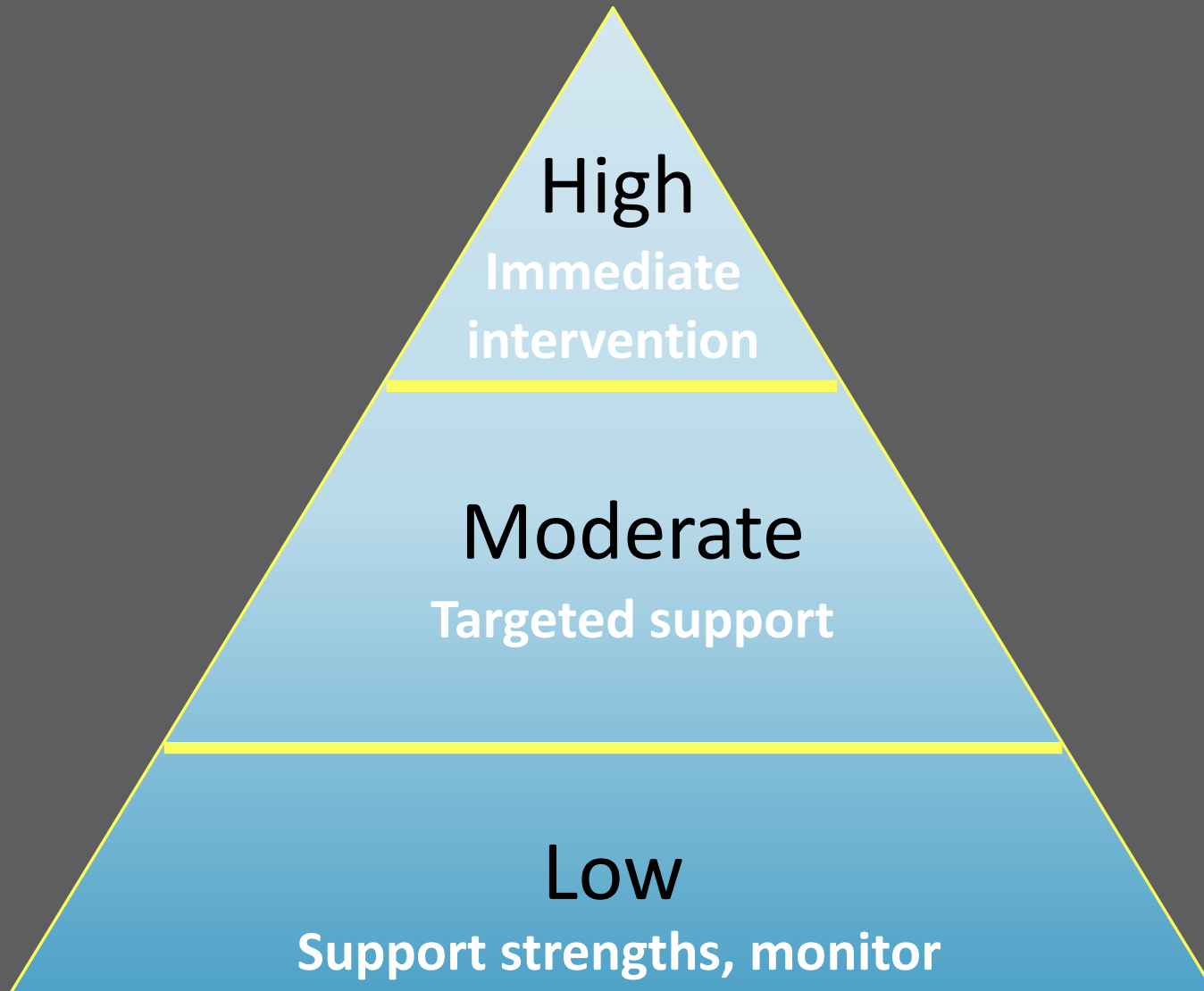
- ✓ **High** – Developmental delay is likely.
- ✓ **Moderate**-Signs of risk to development are present in some areas, as are signs of resilience.
- ✓ **Low**-Child is developing as expected for their age at this point in time and shows signs of resilience.





Making Recommendations

Match Recommendations to Need



NEST
Example

Johnny,
Age 4



Johnny, age 4

Overall
Child Score:
moderate

ND: *low*

Caregiver:
moderate

Environment:
high



How do we
support
Johnny to
decrease his
risk and
support his
resilience?

Case Example: Johnny's Results at age 4.0

Neurodevelopment: Low

| | |
|--------------------------|----------|
| Motor | low |
| EF/Self-Reg | low |
| Functional Communication | moderate |
| Social Emotional | low |

Caregiver: Moderate

| | |
|------------|-----------|
| Depression | moderate |
| Trauma | high |
| Parenting | effective |

Environment: High

| | |
|---------------|----------|
| Food security | moderate |
| Housing | high |
| Lead exposure | unknown |
| Health | low |
| ACE | high |

Case Example: Johnny's Results at age 4.0

Neurodevelopment: low

| | |
|--------------------------|----------|
| Motor | low |
| EF/Self-Reg | low |
| Functional Communication | moderate |
| Social Emotional | low |

Caregiver: Moderate

| | |
|------------------|------------------|
| Depression | moderate |
| Trauma | high |
| Parenting | effective |

Environment: high

| | |
|---------------|----------|
| Food security | moderate |
| Housing | high |
| Lead exposure | unknown |
| Health | low |
| ACE | high |

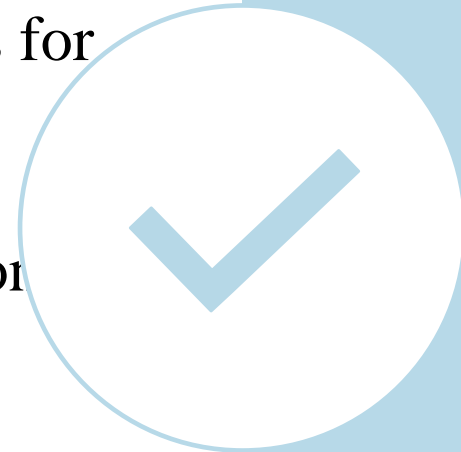
**Three levels of
Recommendations**



Sharing Results with Families

Individual Reports

- Age adjusted; administer every 6 months for developmental surveillance
- Full printable report immediately upon completion with in depth recommendation based on risk level.
- Graphically Reported.
- Tracks time for next testing.




NEST is designed to serve as a *communication tool, enabling staff and parents to engage in a structured dialogue about a child and family's needs, while screening for potential developmental risk.*



Partnering with Families



Monitoring and Re-screening

A photograph of an outdoor cafe table with two black chairs, set against a backdrop of lush greenery and a building with arches. The table is round and light-colored, with a small glass and a container on it. The chairs are black with a curved backrest. The background shows a building with arches and various plants, including a large tree on the left and a palm-like plant on the right. The scene is brightly lit, suggesting a sunny day.

“With as many as 1 in 4 children at risk for developmental delay, universal early childhood screening provides an opportunity to identify delays early and intervene during the most critical period of development.”

American Academy of Pediatrics

Rescreening with NEST

- Six month intervals from ages 3 to 5.
- Scores captured for each domain and the overall score on a graph for ease of monitoring.
- NEST indicates when the next screen is due.



Final Thoughts

For young children, the cascade of consequences associated with growing up in under-resourced settings can be mitigated by early identification, intervention, and support.

NEST's purpose is to give providers and families the power to implement routine developmental screening of young children –

no matter what their life circumstance.

(DeCandia et al., under review)

