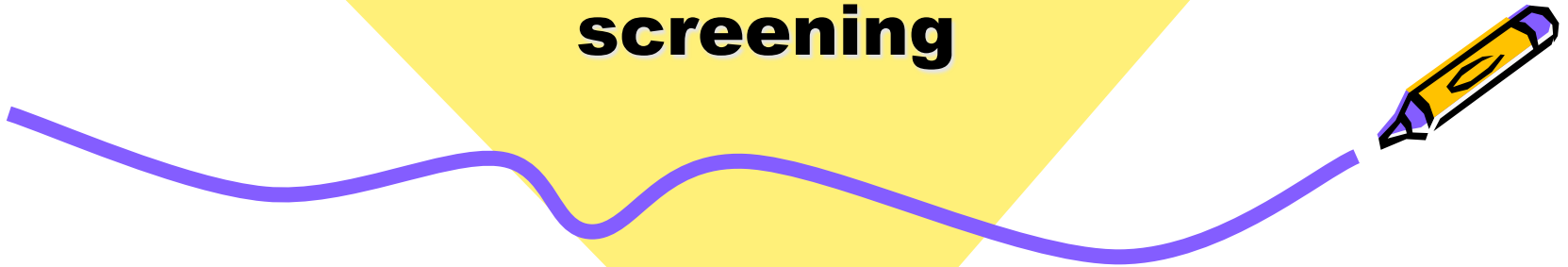




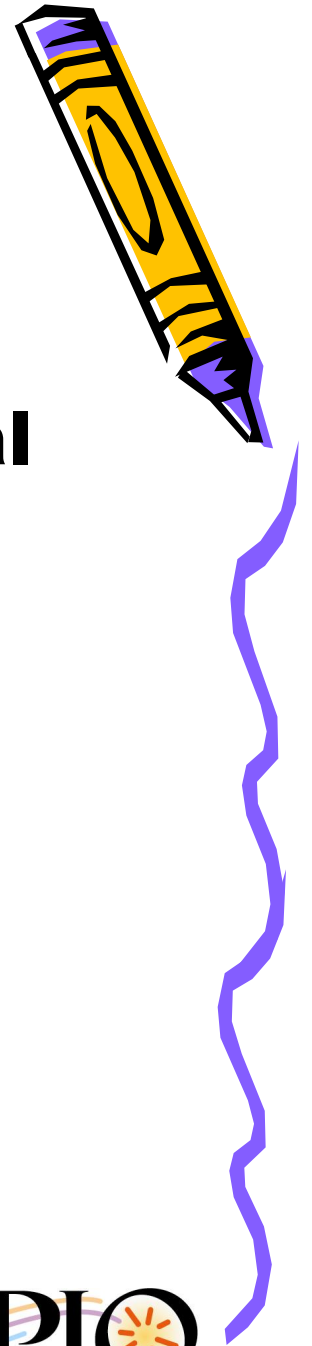
Screening Tools

**Assuring Better Child Development
through social and emotional
screening**



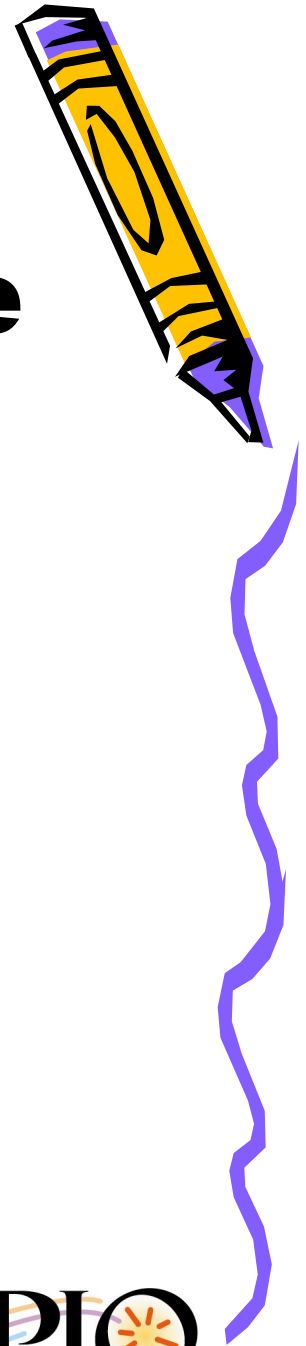
Partners and Processes

- **Commonwealth Fund and National Academy for State Health Policy**
- **ABCD II Grant**
- **Guiding principles**
- **Processes**



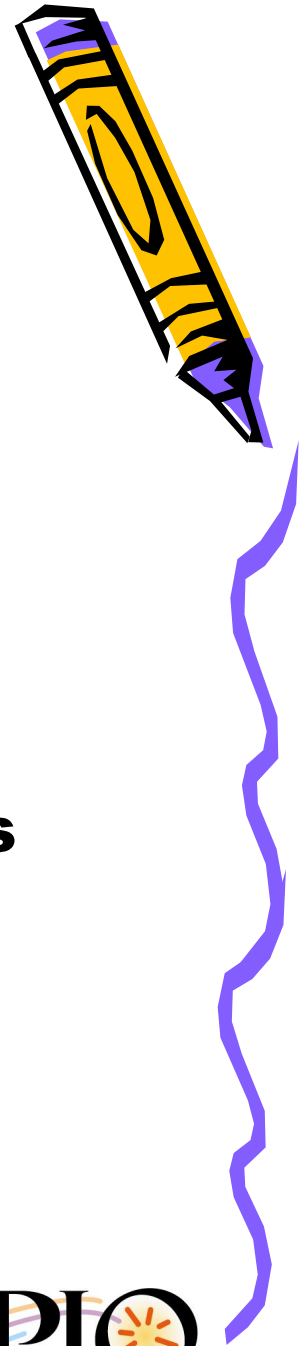
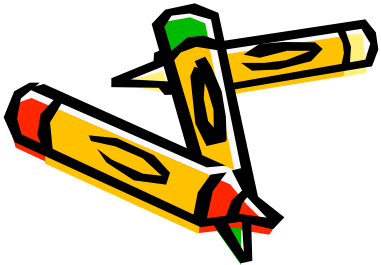
ABCD II Tool Committee

- **Lori Smith, LCSW**
- **Katie Smart, LCSW**
- **Dr. Polly Sheffield, MD**
- **Dr. Kristina Hindart, MD**
- **Janet Wade**
- **Sue Olsen, MEd**



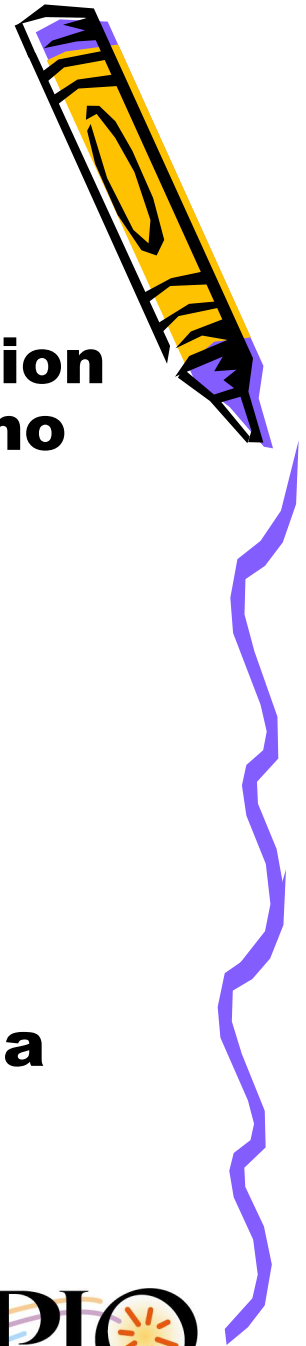
AAP Recommendations

- **“The AAP Committee on Children with Disabilities recommends the use of standardized screening tests at well visits.”**
- **About 16% of children have disabilities including speech and language delays, mental retardation, learning disabilities and emotional/behavioral problems.**
- **Only 30% are detected prior to school entrance.**



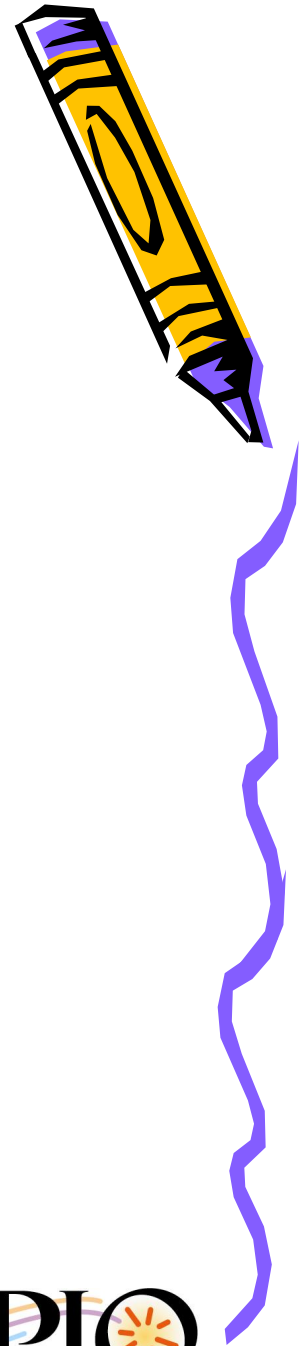
Screening Overview

- **Screening - Looks at the whole population to identify those at risk - flags those who need further assessment**
- **Assessment - Determines existence of delay or disability - generates decision regarding intervention**
- **Surveillance - Periodic evaluation of development in relation to the child as a whole**



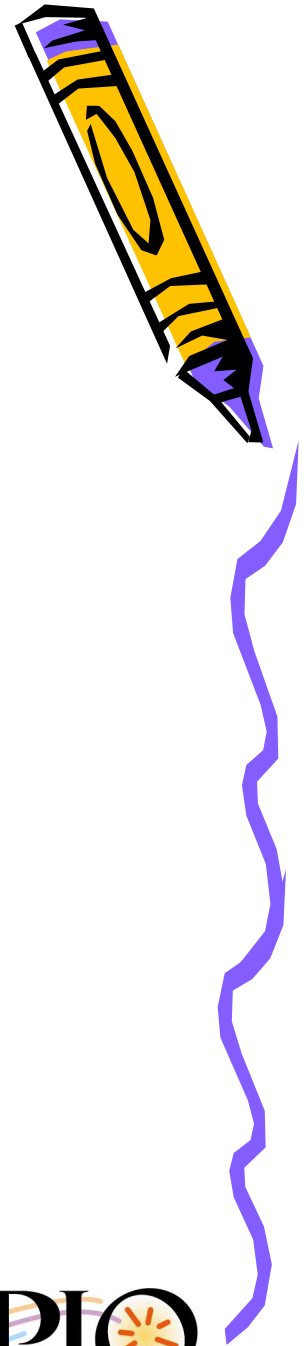
What Can We Do?

- **Use new, brief, accurate tools**
- **Use parents to help screen**
- **Use Family Centered principles**



Mental health screening instrument elements:

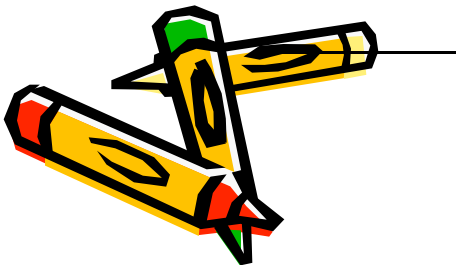
- **Sensitivity**
- **Specificity**
- **Reliability**
- **Validity**
- **Brevity**
- **Minimal or no cost**
- **Targeted populations**
- **Easy scoring**
- **Culturally and linguistically sensitive**
- **Covers age span**
- **Minimal expertise**
- **Easy to administer**



Definitions

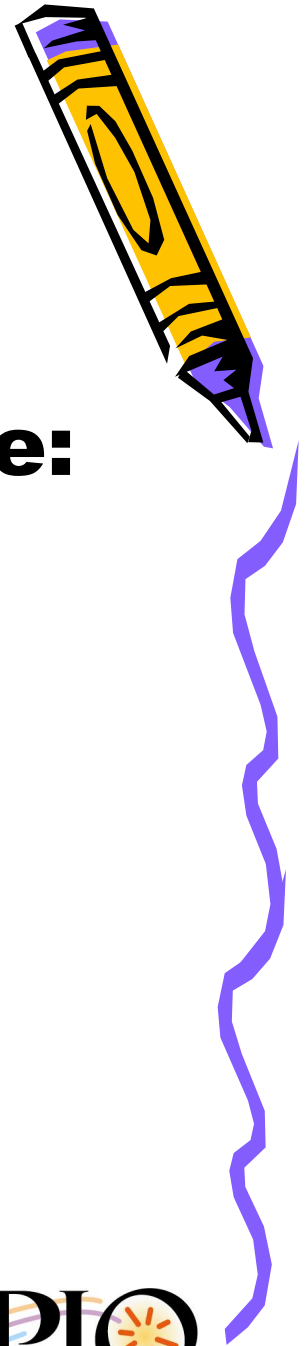
- **Sensitivity: the ability of a test to detect a condition when it is truly present**
 - **Because we don't want to overlook children who need help**

- **Specificity: the ability of a test to exclude the presence of a condition when it is truly not present**
 - **Because we don't want an excess of unnecessary referrals**

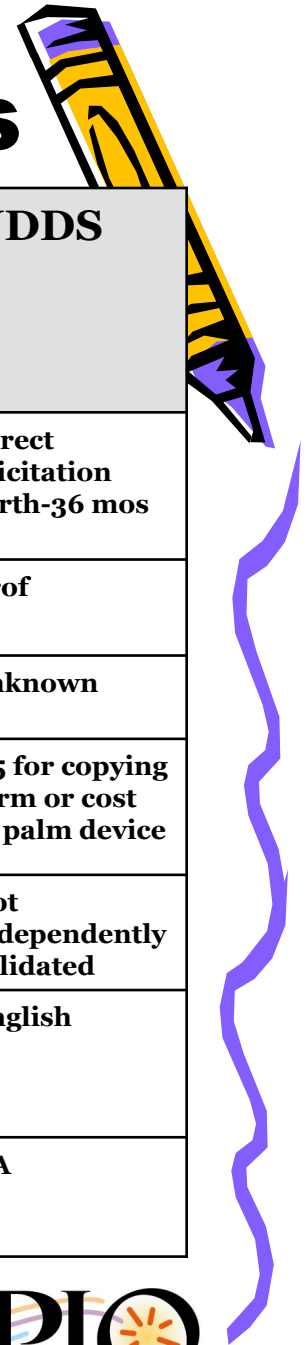


The Screening Tools

- **Types of screening include:**
 - **Parent Questionnaire**
 - **History/Interview**
 - **Direct Elicitation**
 - **Observation**
- **Desired Sensitivity and Specificity:**
 - **70-80% minimum**



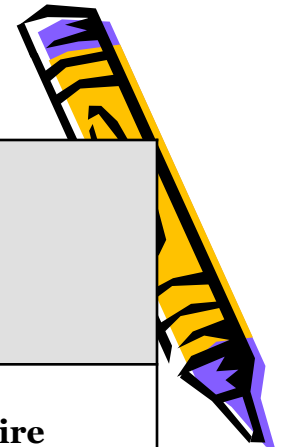
What's Possible, What Works



	ASQ	ASQ:SE	PEDS	TABS	BABES	NDDS
Type/ Ages	Parent Questionnaire 2 mos–5yrs	Parent Questionnaire 6 mos- 6 yrs	Parent Questionnaire 0-8 yrs	Parent Questionnaire 11- 71 mos	Parent Questionnaire Birth-36 mos	Direct Elicitation Birth-36 mos
Staff Required	Para-prof	Para-prof	Para-prof	MA or Equiv	Para-prof	Prof
Time	5 min	20-30 min	5 min	5 min	unknown	unknown
Cost (Per Kit)	\$190	\$190	\$30 (pad of 50)	\$85	Free to Download	.15 for copying form or cost of palm device
Sensitivity/ Specificity	72 % 86 %	71 – 85 % 90 – 98 %	74 – 80 % 74 – 80 %	72 % 83 %	Not independently validated	Not independently validated
Language	English & Spanish French & Korean	English & Spanish	English & Spanish Vietnamese Hmung, Somali	English & Spanish	English	English
Reading Level	4 th -6 th Grade	4 th -6 th Grade	5 th Grade	NA	Contact company	NA



Recommended Tools



	ASQ	ASQ:SE	PEDS	TABS
Type/ Ages	Parent Questionnaire 2 mos–5yrs	Parent Questionnaire 6 mos-6 yrs	Parent Questionnaire Birth-8 yrs	Parent Questionnaire 11-71 mos
Staff Required	Para-prof	Para-prof	Para-prof	MA or Equiv
Time	5 min	20-30 min	5 min	5 min
Cost (Per Kit)	\$190	\$190	\$30 (pad of 50)	\$85
Sensitivity/ Specificity	72 % 86 %	71 – 85 % 90 – 98 %	74 – 80 % 74 – 80 %	72 % 83 %
Language	English & Spanish French & Korean	English & Spanish	English & Spanish Vietnamese Hmung, Somali	English & Spanish
Reading Level	4 th -6 th Grade	4 th -6 th Grade	5 th Grade	NA



How is it working?

- **Utah practices using screening tools**
- **Practices providing helpful hints on implementation**
- **Practices finding improved parent satisfaction**
- **Practices finding other benefits**
- **How do practices get the tools?**



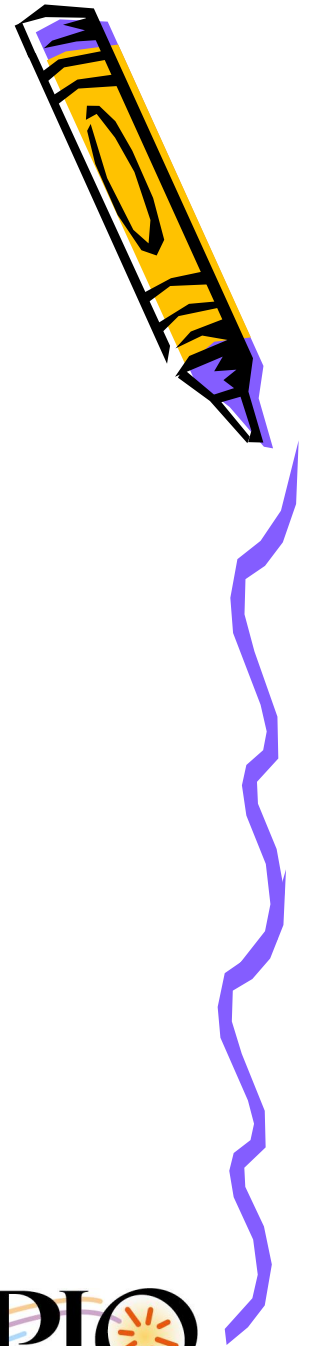
Conclusions

- **Mental Health is a consideration for children from birth to 3-years-old.**
- **Screening and surveillance needs to be a regular part of periodic well care.**
- **It is essential to elicit and listen to family concerns.**
- **Collaborative relationships among providers in the community constitute best practice.**



Acknowledgements

- **Commonwealth Fund**
- **NASHP**
- **Dr. Marian Earls**
- **Tool Selection Committee**
- **UPIQ Partners**





- **UPIQ Coordinator:**

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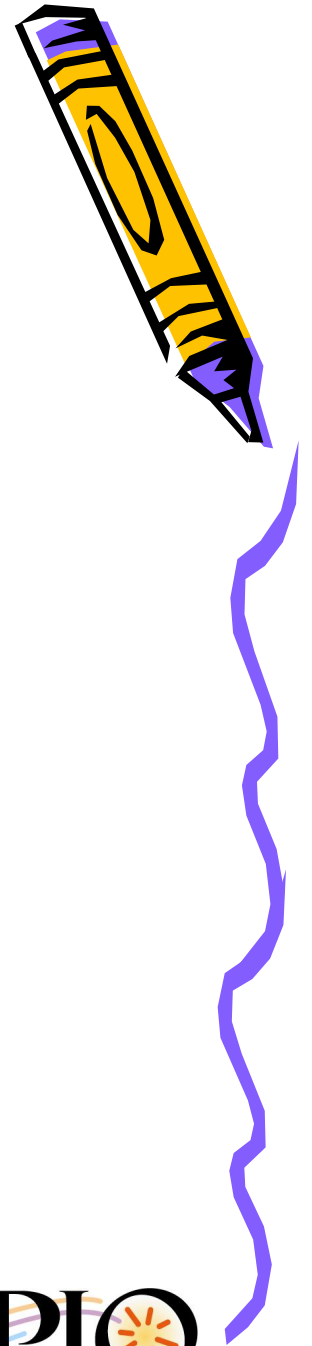
Fax: (801) 581-3899

Email: jenifer.lloyd@hsc.utah.edu



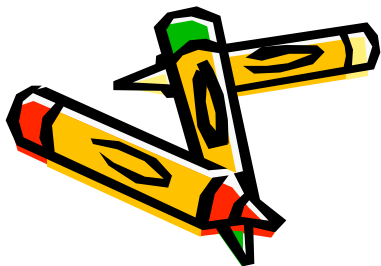
Speaker Notes

- **The following slides are for the speaker's reference**



Recommended tools

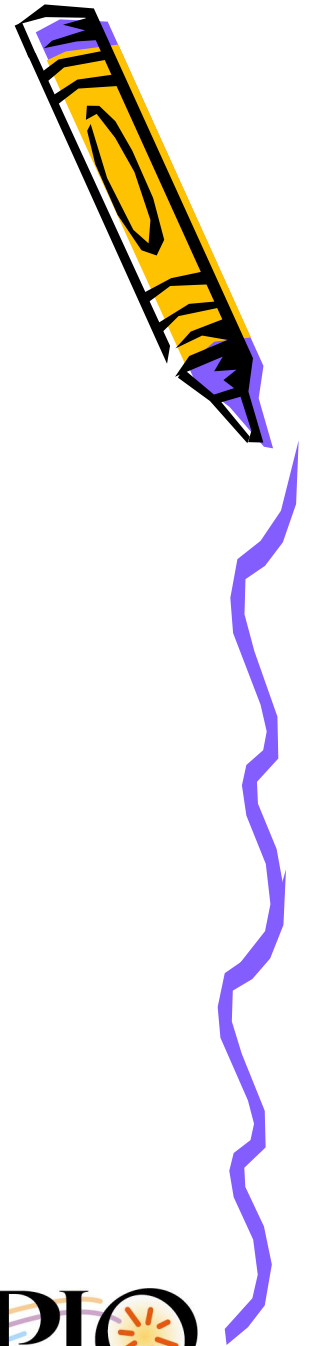
- **ASQ**
- **ASQ:SE**
- **PEDS**
- **TABS (Temperament and Atypical Behavior Scale)**



The ASQ Questionnaire Each questionnaire - Reviews 5 areas

- communication**
- gross motor**
- fine motor**
- problem-solving**
- personal/social.**

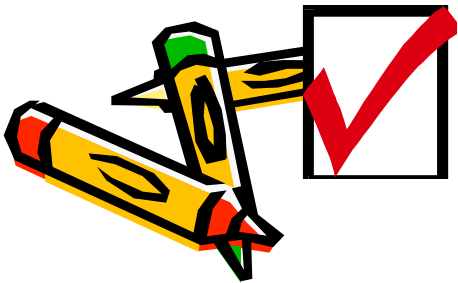
*(Same focus as Early Intervention Program)



The Ages and Stages (ASQ)

“First level screening tool for accurate identification of developmental delays or disorders”

- ❑ **Original work** - 1981. revised 1991, 1994.
- ❑ **Original sample** - 2008
- ❑ **Validation**- Gesell, Bayley, Stanford-Binet, McCarthy, Batelle. Overall= **83%**.
- ❑ **Sensitivity** - 72%
- ❑ **Specificity** - 86%

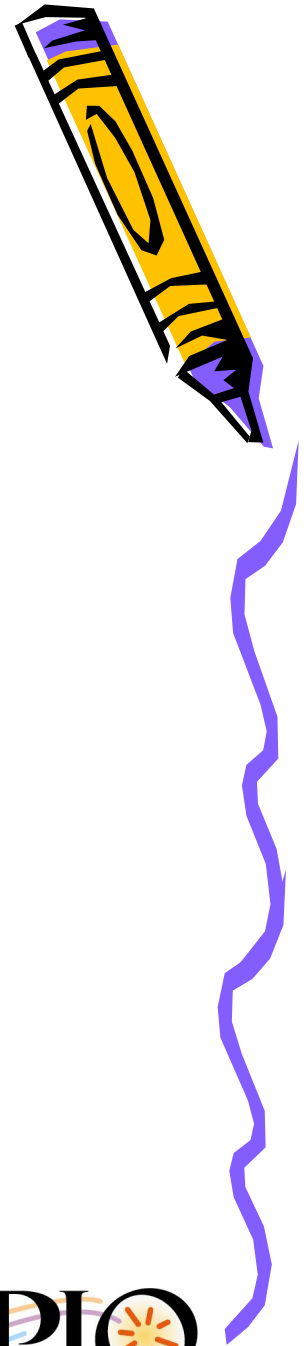
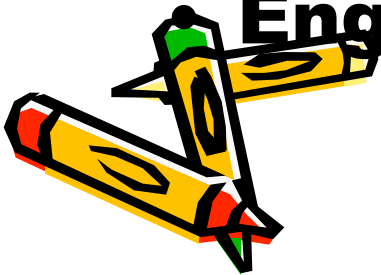


Ages Tested- 4-60 months
Elicits parent input/concerns

Ages and Stages – SE (ASQ-SE)

- **Areas screened: self regulation, compliance, communication, adaptive functioning, autonomy, affect, interaction. 30 items.**
- **Sensitivity: 71 – 85%**
- **Specificity: 90 –98 %**
- **Ages: 6 – 60 months**
- **10 minutes**

English and Spanish

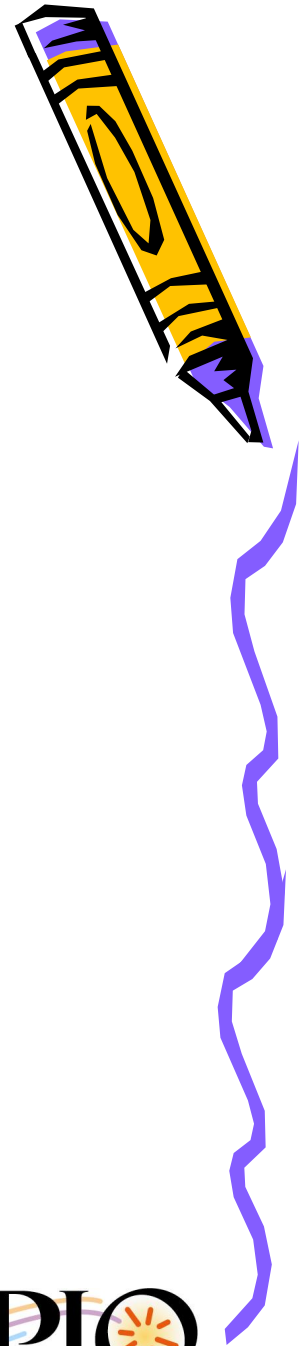


Parents Evaluation of Developmental Status (PEDs)

- **Validation** - 771 children
- **Standardized** - 2823 children across the U.S.
- **Sensitivity:** 74 – 80%
- **Specificity:** 70 – 80%
- **Format** - Each questionnaire-reviews 10 items
 - No, yes, and a little are responses.
 - Decision pathways A – E, based on score, to refer or do a second stage screen with ASQ, BINS, Batelle or CDI

Ages Tested: 0-8 years

Elicits parent input/concerns



Temperament & Atypical Behavior Scales (TABs)

- **15 items. To identify temperament and self-regulation problems that indicate risk for developmental delay.**
- **Sensitivity: 72%**
- **Specificity: 83%**
- **11 –71 months**
- **5 minutes**
- **English and Spanish**

