

Developmental Screening Part 1

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- I have no financial conflicts of interest to disclose concerning this presentation.



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What is a developmental screening?

- More formal than developmental monitoring
- Done less often than developmental monitoring
- How often?
 - Well visits:
 - 9 months
 - 18 months
 - 30 months
 - Child care center:
 - Upon enrollment
 - Beginning of year
 - Middle of year
 - End of year



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Who can conduct a developmental screening?

- Doctor
- Nurse
- Early childhood educators
- Community professionals
- School setting



Partnership to increase developmental screening

- The goal is universal screening
- The more agencies who screen the odds of catching delays increase
- When delays are identified early it takes less effort to rewire the



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CHIRP

- Community Health Initiated Research Partnership
 - A feasibility study

Question: can a partnership with a community non-profit increase rates of developmental screening and is it an effective and efficient process?



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- 7 childcare centers
- 617 developmental screening distributed
- 2 months through 5 years



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- 268 screenings returned
 - 80 identified for referral (30%)
 - 37 contacted (46%)



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Child Demographics

- Sex
 - Male (51%)
 - Female (49%)
- Race/Ethnicity
 - White-non-Hispanic (56%)
 - Black-non-Hispanic (22%)
 - Hispanic (7%)
 - Multi-racial (12%)
 - Other (3%)



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Survey Results

- 99% were had a Primary Care Provider
- 99% attend well visits
- 74% received developmental screening at well visit



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Survey Results

- 10% delay identified at well visit
 - High risk children only 40% identified
- Area of delay identified at well visit:
 - Communication (89%)
 - Fine motor (8%)
 - Personal social (4%)

Screening Results

Domain	High risk	Moderate risk	Total
Communication	5%	8%	13%
Fine Motor	6%	13%	19%
Personal Social	4%	10%	14%
Gross Motor	3%	6%	9%
Problem Solving	4%	8%	12%



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In all areas except communication, there were twice as many moderate risk children than high risk children. Why is that noteworthy?

Domain	High risk	Moderate risk	Total
Communication	5%	8%	13%
Fine Motor	6%	13%	19%
Personal Social	4%	10%	14%
Gross Motor	3%	6%	9%
Problem Solving	4%	8%	12%



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Referrals Provided

- Primary Care Physician (83%)
- Hearing, Vision, Behavioral Screening (3%)
- Community Agency Referral (4%)
- Early Intervention/Early Special Education (14%)

4 Month Follow-up

- 67% of parents who received a referral follow through
- 20% of parents received an activity sheet
- 75% who received sheet completed those activities
- Changes in development:
 - 83% improved
 - 12% no change
 - 5% regressed



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If development improved what made the difference?

- 31% working with child
- 26% normal growth and development
- 23% therapy/treatment
- 20% child care center

Domain	Improved	Same	Regressed
Communication	52%	8%	14%
Fine Motor	46%	23%	30%
Personal-Social	50%	38%	13%
Gross Motor	70%	10%	20%
Problem Solving	60%	20%	20%



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