Developmental Screening in Wisconsin

Community of Practice on Autism
February 10, 2010

Christine M. Breunig, Program Administrator, NE Regional Center - CYSHCN

Mala Mathur, MD, Group Health Cooperative
What is Developmental Screening?

Developmental screening is the administration of a brief standardized tool at specific intervals that aids the identification of children at risk of a developmental disorder.
What is Developmental Surveillance?

Flexible, longitudinal, continuous and cumulative process whereby knowledgeable healthcare professionals identify children who may have developmental problems.

Five Components

• Eliciting and attending to parents concerns
  • Maintaining developmental history
• Making accurate & informed observations of child and family members
  • Identifying risks and protective factors
• Document process and findings
Why do Developmental Screening?

AAP Policy Statement July, 2006
Identifying infants and young children with Developmental Disorders in the medical home

Recommendations
Surveillance at all well child check visits

Validated screening at 9 mo, 18 mo, 30/24 mo visits
Why do ASD Screening?

AAP Clinic Report November, 2006
Identification and evaluation of children with Autism Spectrum Disorders

Recommendations
Surveillance at all well child visits
Validated screening at 18 mo and 24 mo well child visits
GOALS

1) To develop partnerships with primary care practices that will promote developmental surveillance of all children within the medical Home practice – giving particular attention referral and coordination of services to children with Autism Spectrum Disorder.

2) To enhance the capacity of providers and consumers throughout the nation to understand and apply the principles of the medical home and medical service options for children with autism and their families.
Wisconsin Data on Developmental Screening

2007 Survey

- 67% Family Medicine Physician
- 31% Pediatrician
- 2% Other (please specify)
- 0% Nurse Practitioner
Results of Survey in WI

Types of outpatient developmental screening in WI

- Clinical impression (history and physical exam) without the use of a screening instrument/checklist
- Clinical impression guided by a screening tool
- Age appropriate checklist of developmental milestones
- Formal developmental screening tool: Ages and Stages Questionnaire
- Formal developmental screening tool: Ages and Stages Socio-emotional Questionnaire
- Formal developmental screening tool: Parents Evaluation of Developmental Status (PEDS)
- Formal developmental screening tool: Bayley Neurodevelopmental Screen
- Formal developmental screening tool: Denver II Developmental Screen
- Formal developmental screening tool: Other

- Always/Almost
- Sometimes
- Never
The goal is to increase the number of pediatric primary care providers in Wisconsin able and willing to train other providers on using standardized developmental screening tools in office settings to assess young children’s development.
Wisconsin Family Physicians
Quality Improvement Opportunity
2009-2010

Developmental Delays and Disabilities
Screening and Referral Project

The goal is to provide education and technical assistance
to Family Practice Providers in WI
on the use of developmental screening tools to assess the development of young children and
to understand referral options to appropriate community resources.
Early Identification Initiative
2010

The purpose is to

1) support *Early Identification* of children with special healthcare needs using validated screening tools
   a) Ages and Stages Questionnaire
   b) Modified Checklist for Autism in Toddlers

2) promote newborn hearing screening follow up by providers

3) develop connections with Regional Center for CYSHCN and local Birth to 3 Program.
Developmental Screening Practices

- NMHAI Practice Sites
- Pediatric Practice Sites
- Family Practice Sites
- EII Practice Sites
Developmental Screening in Practice

Mala Mathur, M.D., M.P.H.
Why start a screening program at GHC?

- GHC part of the Medical Home Learning Collaborative
- Experience with National Medical Home Autism Initiative
- Interest in Early Childhood issues and involved with WI-AAP
How the screening pilot got started...

- AAP Policy Statement 2006
- Practice setting and colleagues supportive
- Grant support for pilot project
Pilot Project January-July 2007

- Developmental screening team initial meeting January 2007
- Drs. Craig and Mathur and their nurses implemented process for 9, 18 and 24 month well child checks
- Questionnaire for parents for formal feedback
- Informal feedback throughout the process from reception, nursing, quality department
- Developmental screening team wrap up meeting
- GHC Provider Meeting August 2007
GHC Developmental Screening Flowchart May 2007

Mail out ASQ

Parents do ASQ at home

Family in office for WCC Reception inquires about ASQ

Family forgot ASQ at home

ASQ mailed in

Parents bring in completed ASQ to exam room

LPN/CMA scores survey

MD evaluates survey and discusses with parents

MD considers formal developmental evaluation

MD discusses any further developmental concerns with parents

REASSURE

CONCERN
Results

- 211 well child appointments for 9, 18 and 24 month visits
- 119 ASQ screened completed (response rate 56%)
  - 9 month olds: 50 (42%)
  - 18 month olds: 32 (27%)
  - 24 month old: 37 (31%)

This amounts to 4.2 eligible children per week per 1.0 FTE in a pediatric practice at GHC
Parent Questionnaire

• 90% of parents who responded stated that it took <20 minutes to complete the ASQ
• 95% of parents who responded stated that the ASQ was somewhat or very helpful in understanding their child’s development
• A couple of parents scored it themselves
Barriers

• Change in workflow

• Language barriers

• Educational barriers
GHC Survey - Barriers

Barriers to Developmental Screening

- Language Barriers
- Lack of referral options
- Lack of consensus
- Lack of office staff
- Lack of time
- Lack of training
Benefits of ASQ

• Improved quality of screening based on national guidelines
• Increased parental awareness of developmental milestones and involvement in screening process
• Time saver during the well child check
Next Steps

• Implementation Organizational wide
  – WI Early Identification Initiative
• Nursing training and Physician training
• Create systemic workflow for mailing ASQ out to families before appointment
• Long term plan for documenting ASQ Score sheets into EPIC software (EMR)