Autism Diagnosis & Research

- Telemed in diagnosing autism
- Autism Diagnostic Team Training
- Physician mini fellowships
- PCIT and autism/telemed
- PCIT and autism/school collaboration
- Electronic monitoring devise
- Early predictors of aberrant behavior in DD
- Functional Assessment of challenging behavior in boys and girls with autism
- Social skills and typical peers in teenage girls and boys
- CRIS system
Diagnosis of Autism

- Telemedicine for autism diagnosis
- Ten delayed and ten with autism-2-5 yrs
- Two observers live and two over telemed
- Diagnostic accuracy
- Parent satisfaction
- Reliability of autism measures-ADOS & ADI-R
- Matt Reese- Rene Jamison- Matt Braun-Maura Wendland
Diagnosis of Autism

- KISN collaborative teams training
- KISN autism teams
- Train teams in diagnostic measures, screening, and differential diagnosis
- Link teams KU telemedicine and local medical providers
- Forty-five school age and infant-toddler teams trained
- Diagnosis faster and more cost effective
Percentage of primary clinical diagnoses assigned during telemedicine

- 19% GDD or ID
- 19% Language Delay
- 38% Mood Disorder
- 19% ADHD
Sample Descriptive Statistics for Children who were assessed for ASD by

ASD: 59 (79%)
Mean age: 7 years, 0 months

Non-ASD (21%)
Mean age: years, 11 months
Diagnosis of Autism

- Physician and interdisciplinary team fellowships
- MCH-LEND interdisciplinary training program
- Emphasis on rural-underserved
- Recruiting students from rural areas not effective
- Train fellows in their home communities using polycoms
- Link to interdisciplinary courses and clinic participation
- KISN physicians as fellows
Research

Parent-child Interaction Training for autism

- Child’s game-Parent game-Time out
- Three young children with autism 4-5 yrs
- Effective in reducing tantrums
- Parents were satisfies
- Some change in positive behaviors-social & communication
- PCIT over telemed
- PCIT at home and school
Research

Electronic monitoring devise

- NICHD- Small Business Initiative
- Intellispeak-Lawrence
- People with autism elope
- Tracking device to locate them
- Stage 1-focus groups to design the devise
- Stage 2- pilot the devise to look are variables such as- time to locate child- family quality of life-family stress
Research

- Early predictors of aberrant behavior in autism and DD
- NICHD International Folgerty Grant-Peru
- Variety of medical, behavioral and communication measures over 200 children with developmental concerns
- What predicts the development of aberrant behavior
- Stage -2 how do you intervene on those variables?
Research

Functional assessment of tantrums in boys and girls with autism

- Is the function of tantrums different in 2-5 yrs olds with autism versus children with delays
- Children with autism more related to perseverative behaviors vs obtaining attention or gaining objects and events in dev delay
- This finding was only true for boys with autism
- Oxytocin?
Research

Social skills and peers mentors

- Most research with peers has been children
- Adolescents and young adults with ASP & HFA not much research
- Girls Night Out - Rene Jamison
- Skills vs. Environment - Matt Braun
- Social Support for students with ASD in College - Sean Swindler
- Outcomes: Social behaviors - Peer contact - Community activity
Research

Other Research

NIDRR parent training in Spanish
KISN – barriers to screening for hispanic/rural families
Fragile X – drug study/language
Comprehensive Research Information

Software that allows us to:

- Better track patients seeking CCHD services
- Provides families a better method with communicating their child’s needs
- Instantly access clinical data for research
- Track trends among children diagnosed with Autism
| Research: CRIS provides seed data for clinical and translational research for partners on and off campus |
| Operations Management: CRIS system allows us to measure our productivity, and make informed procedural decisions |
| Expands Clinical and other Service Activities: Regional diagnostic and treatment teams will use CRIS to exchange and store patient information |
| Community Needs Assessment: Raw intake data keeps us abreast of what services families are seeking |
Comprehensive Research Information System (CRIS)

Intakes: Intake data entered into CRIS

Patient Portal: Families fill out Patient Information Form prior to appointment via internet

In Clinic: Clinicians use interactive forms to enter patient data

After Clinic: Reports generated, families will have easier access to their child’s information
Patient Portal

Welcome to Velos eResearch

Login Name
Password

- User name and password are case sensitive.
- Pop-up blockers must be disabled for this application.

Questions or Issues? Click here to send an email to your Site Administrator

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Welcome Mick Jagger (CCHD-00000010)!

Required documents to keep your appointment
CCHD Intake Process
CCHD Appointment Process
CCHD Physician Referral Form
Complete Patient Information Form

Patient Information to be Read and/or downloaded.
Center for Child Health and Development
CCHD Map

Click on the below link for the Patient Information Form to be filled out to keep your appointment

Your Forms:

**Enrollment Form**: You have already submitted this form. Thank you!

**Family History Form**: You have already submitted this form. Thank you!

**Patient Information Form**: You have already submitted this form. Thank you!

Your appointments:

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Comprehensive Research Information System (CRIS) – CCHD Data

CCHD Demographics:

Other: 71 (7%)
Native Hawaiian and Other Pacific Islander: <1%
Asian: 2%
American Indian and Alaskan Native: 2%
Hispanic: 10%
African American: 11%
Caucasian: 744 72%
Comprehensive Research Information System (CRIS) – CCHD Data

Referral source:

NICU: 1 (0.06%)  CCHD Website: 23 (1.3%)
PHYS REF: 882 (49.66%)
School District: 1 (0.06%)
Other Provider or Organization: 869 (48.93%)

Mean Age: 7 years, 1 month
The Future

- Electronic Medical Records
- Increased use of telemedicine
- Increase the number of developmental teams statewide
- Increase number of families whose “medical home” is in their own community
- Provide auxiliary private pay services for families needing additional assistance (OT, Speech, system navigation)
- Bridge clinic
- CCHD a nationally recognized facility