

## FY 2017/18 DISPARITY FUNDING APPLICATION

**Note:** Please complete this form for **each** proposed project. Please refer to the application instructions for clarification for any of the following questions.

Please check the box that describes your organization		
<input type="checkbox"/> Regional Center	<input checked="" type="checkbox"/> CBO, 501(c)(3)	<input type="checkbox"/> CBO, non-501(c)(3)

### A. Grantee Information

<b>1. Name of Organization/Group</b>	<b>2. Date</b>
The Center for Autism & Neurodevelopmental Disorders, University of California, Irvine	11/06/17
<b>3. Primary Contact (Name)</b>	
Hyun Park	
<b>4. Mailing Address</b>	
2500 Red Hill Ave, Suite 100, Santa Ana, CA 92705	
<b>5. E-mail Address</b>	<b>6. Phone Number</b>
hyunp@uci.edu	949-267-0400
<b>7. Brief Description of the Organization/Group (organization type, group mission, etc.). Please include details about the organization/group's vision and how it ties to the targeted population.</b>	
<p>UC Irvine is home to UC Irvine Health. It is dedicated to the discovery of new frontiers in health, to the teaching of future healers and to the delivery of the finest evidence-based care. It encompasses the Medical Center, the School of Medicine and numerous institutes and centers. The Medical Center is ranked among the nation's best hospitals by U.S. News &amp; World Report – for 17 years and counting, and is ranked number one in Orange County.</p> <p>As part of UC Irvine Health, the Center for Autism &amp; Neurodevelopmental Disorders (CAND) seeks to provide help and hope to children, adolescents, young adults, and their families living with Autism Spectrum Disorders (ASD) and other neurodevelopmental disorders through excellent clinical care, innovative research, quality education and training, and community engagement. The Center, formerly known as For OC Kids and located in Orange County, has been a leader for more than a decade in assessment, diagnosis, care coordination, family support, and education. Our vision is to be the local and national leader in creating opportunities and removing all barriers toward a fulfilled life for people with autism spectrum and other neurodevelopmental disorders.</p> <p>In the last fiscal year CAND saw over 1100 unique patients with Medi-Cal insurance, accounting for 50% of the total number of patients seen. Of our Medi-Cal population, 40% are either Spanish or Vietnamese speaking.</p>	

## FY 2017/18 DISPARITY FUNDING APPLICATION

### B. Project Information

<b>1. Project title</b>
Outreach, screening and linkage to Early Start services at RCOC for Latino and Vietnamese families
<b>2. Describe how the target population is an underserved population.</b>
<p>Our project will focus on the underserved Asian and Hispanic minority groups. As reported by the RCOC Purchase of Service for the Fiscal Year 2015-2016 there is a significant disparity between the authorized services for Hispanic (HP) and Asian populations (AP) compared to the White population (WP). These populations are being authorized less services/resources and at the same time are utilizing less services authorized than WP. The HP's authorized services are barely half of the WP's services (\$12,073 vs. \$23, 899). The AP's authorized services are only two thirds of the services authorized for WP (\$15, 258 vs. \$23, 899). Although the disparity reported is not as significant in the Birth to 2 years group the disparity is again disproportionately unequal in the 3-21 years old and 22 years and older groups.</p> <p>Within the AP, the Vietnamese-speaking population is particularly more affected when using the services by the RCOC. The Spanish-speaking population continues to show a marked discrepancy in authorized services as well. It is also concerning that there is an overall decreased access between authorized services and expenditures of close to 30% (roughly \$4,000 per capita) over all ethnicities which could potentially be more detrimental to the care in the Hispanic and Asian minority groups who are already underutilizing required services.</p> <p>When we look at the "No Purchase of Services" section the HP seems to be at increased risk for not accessing services to which they have qualified. Close to 25% of the population is not utilizing the services they require. The disparity is more significant in the older groups (3-21 and 22 years and older) indicating potential added barriers in these groups. We believe this is particularly concerning due to the fact that children in these age groups and their families should start planning for transitioning into the individuals maximum independent living capability as possible. It is also usually the case when behavioral problems if not improved at an early age become more disruptive and difficult to manage. Families are highly likely to be requiring aid from the RCOC at this time to prevent deterioration in the quality of life of families or a potential crisis situation.</p> <p>The Total Annual Expenditures and Authorized Services By Ethnicity Or Race for Residence Type in particular Residential Facilities data report a more "efficient" utilization of services between the ethnicities and a somewhat more equitable authorization of these services. It is concerning though how the percentage of consumers by ethnicity shows a disparity between the HP and AP compared to the WP that does not reflect the overall ethnicity of persons served by the RCOC. The WP in this section of the report represents</p>

## FY 2017/18 DISPARITY FUNDING APPLICATION

67% vs 14% and 8% for HP and AP respectively. This again states the fact that although the participants using the services appear to be using them more effectively there is a significant disparity between ethnicities that are not accessing services in residential facilities. Through our project we would like to address this disparities to help families access services to which they are entitled to and consequently help the RCOC to provide a more equitable provision of services.

Linking young children with developmental delays to Early Start services at Regional Center is crucial for making the greatest impact on children's developmental trajectory as well as supporting parents caring for a child with special needs from an early age. Despite many ongoing efforts to educate primary care and pediatric providers, we continue to encounter numerous families each year who share a similar story about raising concerns about their child's development to their child's healthcare provider, only to be told to wait and see rather than receiving an appropriate referral for further screening, assessment or intervention services. Deferring appropriate screening and referrals for early intervention disproportionately impacts children from underserved populations because their families face language, educational and financial barriers that make it all the more challenging for them to identify these services on their own. By providing direct access to screenings to the Latino and Vietnamese community and referring children at risk for or demonstrating developmental delays directly to RCOC, we can increase access of Early Start services for children in these two recognized disparity groups. Additionally, our program will have an educational component that will inform families even beyond those screened about the availability of Early Start services and related supports for families raising children with special needs.

**3. Describe the project and its goals/objectives.** *\*Complete the Schedule of Development/Activities Worksheet (Attachment C) and include with your application.*

This project will aim to 1) inform families from the above identified underserved populations (Hispanic/Latino/Spanish-speaking and Vietnamese) of the importance of early developmental screening and developmental concerns 2) provide an opportunity for families to have their children screened 3) provide direct referral to Early Start at RCOC 4) inform families of assessment, service coordination, support, and intervention services available through RCOC and how to access these services 5) measure the success of the model. This project will increase access to RCOC and reduce purchase of service disparities for these two underserved populations.

The project will include a substantial outreach effort which will reach and educate a broader population than the number of families who attend in-person screening events. *Activiites Related to Outreach.* Based on a successful model implemented with our Latino Family Advisory Committee, the screening events would have an educational and supportive component, including a lunch provided for families to allow time for social interaction and support. By coupling a social and family-friendly environment with the

## FY 2017/18 DISPARITY FUNDING APPLICATION

screening and educational components, we can increase the participation of families who have previously been hesitant to attend events because of concerns for stigma and anxiety around health-related issues.

During screening events, the Ages & Stages Questionnaires, Third Edition (ASQ-3) will be completed by members of our clinical team including Developmental-Behavioral Pediatricians, Speech & Language Pathologists, Psychologists, Behavioral Therapists and Clinical Social Workers. The ASQ is available in Spanish, Vietnamese and English. Children at the appropriate age (16-30 months) for a screening with the Modified Checklist for Autism in Toddlers, Revised with Follow-Up (M-CHAT-R/F), will also receive this screening. The M-CHAT is available in Spanish, Vietnamese and English. All families attending the screening will be provided information about community resources to support child development and positive parenting. Children who have a positive developmental or M-CHAT screening, indicating a concern for developmental delay and/or autism will be referred (with parent consent) directly to Early Start at RCOC. These children will also receive a feedback form to share with their primary healthcare provider so their medical home will be informed of the concerns and be able to follow up appropriately.

#### **4. How will the project address and incorporate the input of the community it aims to serve?**

Our Center has 2 active Family Advisory Committees (FAC's) which meet regularly to work collaboratively with our Center to provide input on family needs and interests in areas of research, outreach, education, assessment, clinical care and treatment. Specifically our Latino FAC is comprised of Spanish-speaking families who have previously worked with us on developing projects targeting outreach for underserved Latino families. The parents on our Latino FAC all have children with autism who are insured through Medi-Cal. With the successful involvement of our Latino FAC we've held 4 events in the last fiscal year with over 308 people. If funded, we will engage our Latino FAC in this project from the planning and throughout implementation. The events our Latino FAC has been involved in implementing will serve as a model for this project because we have seen these events are very well-received as measured by attendance and survey responses. For our efforts with the Vietnamese community, we have 3 staff that are Vietnamese and speak Vietnamese, and frequently support the rest of our clinical team in working with our Vietnamese patients and families. If this project is funded, our Families and Schools Together (FAST) Director who is Vietnamese would pull together some of our existing Vietnamese families to provide input and guidance on this project.

**5. Describe how the project's effectiveness will be measured. What type of data will be collected (qualitative or quantitative)?\*** *Complete the Project Measures Worksheet (Attachment D) and include with your application.*

## FY 2017/18 DISPARITY FUNDING APPLICATION

<p>Dissemination of content will be captured in the number of social media posts, community events where the content is shared and number of families that receive the information at screening events. Social media "likes" and "shares" for content will be counted. Families attending screening events will be asked to complete surveys regarding their knowledge of information presented and helpfulness of the events. Screening event registration and attendance will be counted, and the number of positive screenings resulting in referral to RCOE Early Start will be counted.</p>	
<b>6. Where will your project be implemented (counties, cities, neighborhoods, etc.)?</b>	
<p>Outreach efforts will be implemented throughout Orange County, focusing on the northern part of the county where the populations of Latino and Vietnamese residents is greatest. We will plan to hold the screening events will be hosted both at our Center which is located in Santa Ana, as well as in the community known as Little Saigon, where the majority of Orange County's Vietnamese families live. We already have relationships with professionals and agencies in this community who have previously allowed us to utilize their space for educational events, so we can easily implement the screening in Little Saigon.</p>	
<b>7. Project Type</b>	
<p><input checked="" type="checkbox"/> Outreach (community events, child find, seminars, etc.)  <input checked="" type="checkbox"/> Education (workshops, trainings, support groups, etc.)  <input type="checkbox"/> Promotores (parent liaisons, mentors, cultural brokers, etc.),  <input type="checkbox"/> Other:</p>	
<b>8. Estimated number of people the project will reach/impact</b>	
<p>We expect to screen 100 children, roughly half Latino and half Vietnamese. We anticipate reaching many more families with the related outreach efforts. We will direct families that cannot attend the screenings but are interested to our partner program, Help Me Grow Orange County, which provides a single point of contact to families needing early identification, referral and care coordination for children at risk for developmental, behavioral and learning problems from birth through age eight. Families that link with Help Me Grow will also have the opportunity for their children to have a developmental screening and linkage to further assessments and referral to RCOE, so we expect that the outreach component of this project will have a great impact as well. We anticipate reaching an additional 200 people through social media and related outreach.</p>	
<b>9. Timeline of project (start and end dates)</b>	
January 1, 2018-December 31, 2018	
<b>10. Amount requested</b> <i>*Please complete the Budget Worksheet (Attachment D) and include with your submission.</i>	<b>10a. Funding frequency (check one):</b>
<b>\$ 85019</b>	<input type="checkbox"/> Annual Cost** or <input checked="" type="checkbox"/> One-time Cost

*\* Please include any related documents that will provide evidence of strategies, measures, and data that will be used to evaluate effectiveness of the program.*

*\*\* Future funding is not guaranteed for projects that require an ongoing, annual cost.*

**DISPARITY FUNDING PROPOSAL – SCHEDULE OF DEVELOPMENT/ACTIVITIES WORKSHEET**

Completed worksheets shall be submitted with the funding application. List all key staff and activities, and identify the quarter that each activity will occur. More than one copy of each worksheet may be submitted if additional space is required. *Please see Attachment C-1 for a sample worksheet.*

<b>Project Title:</b> Outreach, screening and linkage to Early Start services at RCOC for Latino and Vietnamese families									
<b>Objective:</b> Provide in-person developmental screening, education about the importance of early developmental screening and Early Start services, and linkage to RCOC for Latino and Vietnamese families.									
<b>Issue(s) being addressed:</b> Barriers to early developmental screening and Early Start access resulting in purchase of service disparities for Spanish and Vietnamese-speaking families.									
		<b>2018</b>				<b>2019</b>			
<b>Activity</b>	<b>Staff</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
		1/1/18-3/31/18	4/1/18-6/30/18	7/1/18-9/30/18	10/1/18-12/31/18	1/1/19-3/31/19	4/1/19-6/30/19	7/1/19-9/30/19	10/1/19-12/31/19
Outreach: Create family-friendly social media content, flyers and handouts about the importance of of early developmental screening, Early Start services and RCOC programs and how to access these services. Include information about autism, speech delays, behavioral issues and parenting strategies.	Developmental Behavioral Pediatricians, Outreach Coordinator, Education Coordinator, Education and Training Director, Families and Schools Together (FAST) Director, Clinical Social Worker Director of Behavior Intervention, Behavior Interventionists,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Project Title:</b> Outreach, screening and linkage to Early Start services at RCOC for Latino and Vietnamese families									
<b>Objective:</b> Provide in-person developmental screening, education about the importance of early developmental screening and Early Start services, and linkage to RCOC for Latino and Vietnamese families.									
<b>Issue(s) being addressed:</b> Barriers to early developmental screening and Early Start access resulting in purchase of service disparities for Spanish and Vietnamese-speaking families.									
		<b>2018</b>				<b>2019</b>			
<b>Activity</b>	<b>Staff</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
		<b>1/1/18-3/31/18</b>	<b>4/1/18-6/30/18</b>	<b>7/1/18-9/30/18</b>	<b>10/1/18-12/31/18</b>	<b>1/1/19-3/31/19</b>	<b>4/1/19-6/30/19</b>	<b>7/1/19-9/30/19</b>	<b>10/1/19-12/31/19</b>
	Speech and Language Pathologist								
Outreach: Distribute content via social media, community events, through community partners and during screening events.	Developmental Behavioral Pediatrician, Outreach Coordinator, Education Coordinator, Education and Training Director	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Host 4 screening and referral events to include training for families on content as listed in objective.	Developmental Behavioral Pediatricians, Education Coordinator, Education and Training Director, Families and Schools Together (FAST) Director, Clinical Social Worker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Project Title:</b> Outreach, screening and linkage to Early Start services at RCOC for Latino and Vietnamese families									
<b>Objective:</b> Provide in-person developmental screening, education about the importance of early developmental screening and Early Start services, and linkage to RCOC for Latino and Vietnamese families.									
<b>Issue(s) being addressed:</b> Barriers to early developmental screening and Early Start access resulting in purchase of service disparities for Spanish and Vietnamese-speaking families.									
		<b>2018</b>				<b>2019</b>			
<b>Activity</b>	<b>Staff</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
	Behavior Interventionists, Speech and Language Pathologist, Child Care Staff (CBP)	1/1/18-3/31/18	4/1/18-6/30/18	7/1/18-9/30/18	10/1/18-12/31/18	1/1/19-3/31/19	4/1/19-6/30/19	7/1/19-9/30/19	10/1/19-12/31/19
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Note: Monthly intervals may also be used, rather than quarterly as shown in this sample. For projects shorter than 6 months, DDS may require monthly reporting. Please use as many copies of this worksheet as needed*



**DISPARITY FUNDING PROPOSAL – PROJECT MEASURES WORKSHEET**

Completed worksheets shall be submitted with the funding application. List all activities and the qualitative and quantitative measures of outcomes. More than one copy of each worksheet may be submitted if additional space is required. *Please see Attachment D-1 for a sample worksheet.*

<b>Project Title:</b> Outreach, screening and linkage to Early Start services at RCOC for Latino and Vietnamese families	
<b>Objective:</b> Provide in-person developmental screening, education about the importance of early developmental screening and Early Start services, and linkage to RCOC for Latino and Vietnamese families.	
<b>Issue(s) being addressed:</b> Barriers to early developmental screening and Early Start access resulting in purchase of service disparities for Spanish and Vietnamese-speaking families.	
<b>Activities</b>	Create family-friendly social media content, flyers and handouts about the importance of of early developmental screening, Early Start services and RCOC programs and how to access these services. Include information about autism, speech delays, behavioral issues and parenting strategies. Disseminate content via social media, community events, through community partners and during screening events. Host 4 developmental screening and Early Start referral events to include training for families on content as listed in objective.
<b>Measures of Outcomes</b>	Dissemination of content will be captured in the number of social media posts, community events where the content is shared and number of families that receive the information at screening events. Social media "likes" and "shares" for content will be counted. Families attending screening events will be asked to complete surveys regarding their knowledge of information presented and helpfulness of the events. Screening event registration and attendance will be counted, and the number of positive screenings resulting in referral to RCOC Early Start will be counted.

**PROJECT BUDGET WORKSHEET**

Budget worksheet should reflect the total amount of funding needed for the duration of the project. More than one worksheet may be submitted if additional space is needed.

<b>Project Title</b>
Outreach, screening and linkage to Early Start services at RCOC for Hispanic/Latino and Vietnamese families
<b>Project Duration (start and end date)</b>
January 1, 2018-December 31, 2018

<b>Description</b>	<b>Cost</b>
<b>Salary/Wages and Benefits</b>	
Project Manager(5%)	\$12858
DBPeds/PI (3%)	\$6298
Outreach Coordinator (10%)	\$6689
Clinical Social Worker (5%)	\$4750
Education&Training Coordinator & Director (5% each) Speech and Language Pathologist (2%) Director of Behavior Intervention (2%) 2 Bilingual Behavior Interventionists (5% each)	\$26312
<b>Operating Expenses</b>	
Mileage to 4 events/8 staff/ 25 miles each way	\$864
Facilities/meetings for project activities/4 events	\$2000
Food and beverages for workshops \$500 x 4	\$2000
Advertising - Flyers, Social media	\$2000
Snacks at FAC families meeting (6 mtgs/\$35/mtg)	\$210
<b>Administrative Expenses</b>	
Indirect Costs- 15% of total Budget request	\$11064
	\$
	\$
	\$
	\$
<b>Additional Expenses</b>	
Contract Services (Kim Dieu)	\$5000
Screening Materials (\$10/child)	\$1000
Contract Services/2 CBP staff (2% each)	\$3222
Translation Services (\$23.50/hour x 32 hours)	\$752
	\$
<b>Project Budget Total</b>	<b>\$85019</b>