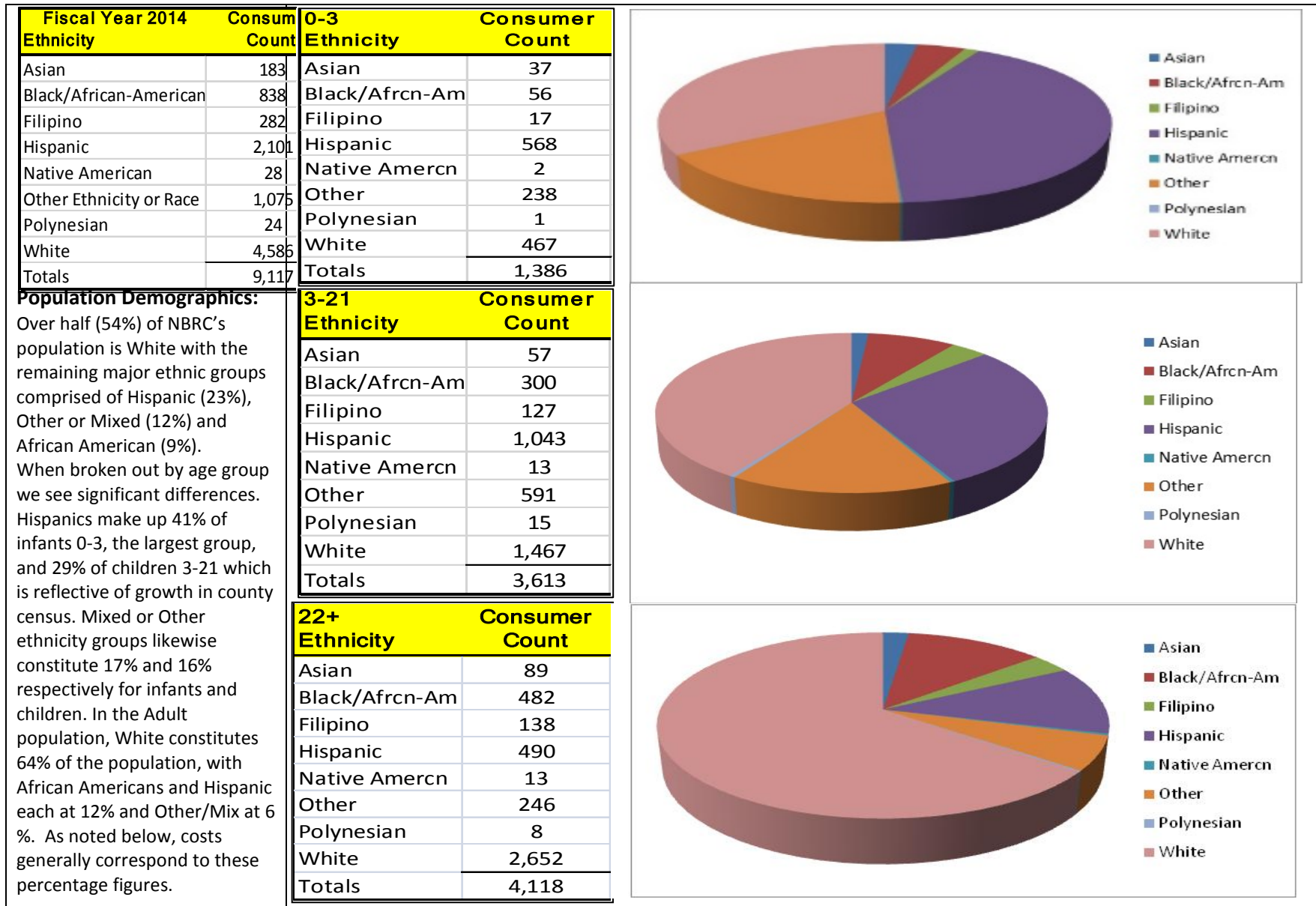


## NBRC Ethnicity and Expenditures Report: 2014

Per Health and Welfare codes 4519.5. (a), North Bay Regional Center ethnic expenditures and data reflects the following trends and conclusions:



### NBRC Costs by Ethnicity

Costs for services are broken out into two categories:

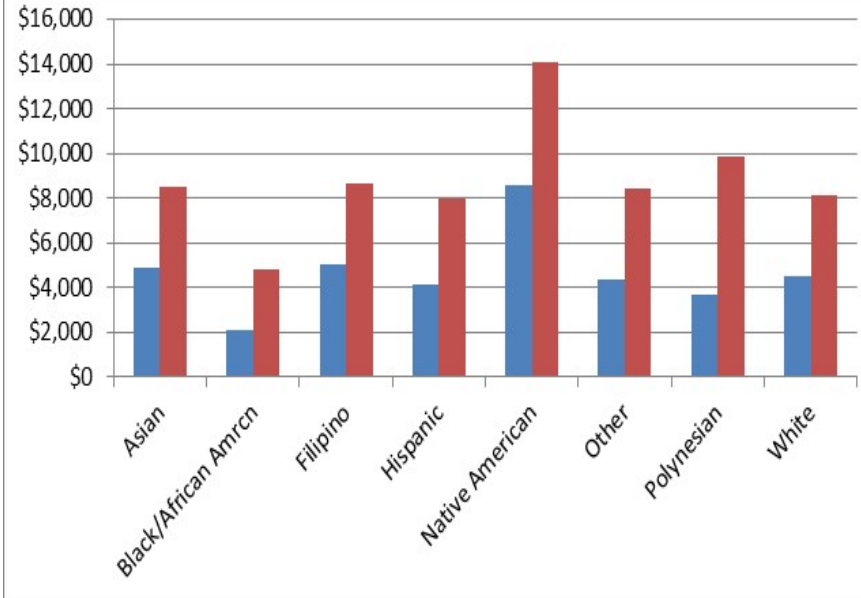
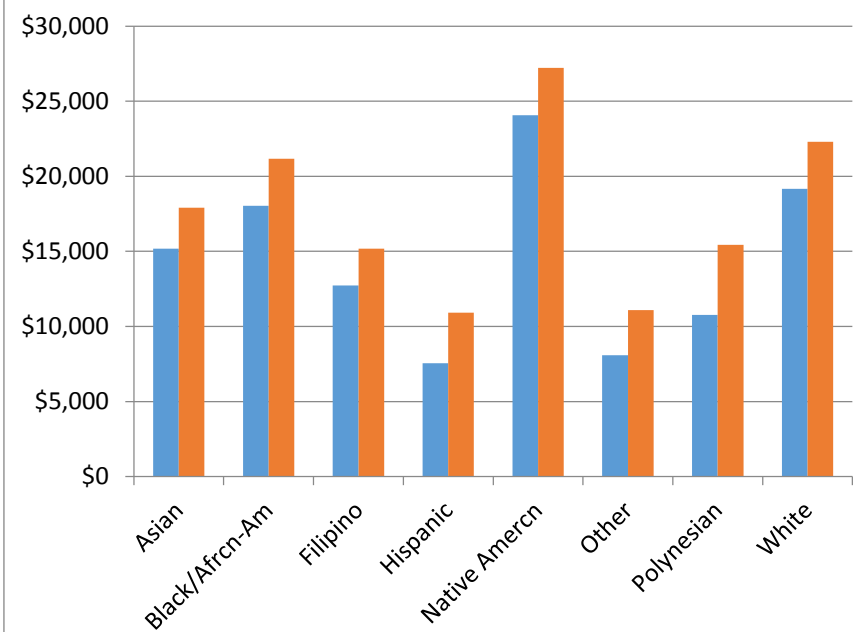
**Authorizations**, the amount of money NBRC has allocated or approved to pay for a service; and **Expenditures**, the amount of money that has actually been paid out for the service. Per Capita breaks out the average costs per person by ethnic group. NBRC service costs are highest where adult services are concerned, especially residential and adult day center services. As most children's services are provided through school programming, children's costs tend to be less as reflective of data by age group below.

### NBRC Costs by Age Group

Looking at **Authorizations** and **Expenditures** by age group, we see a more equitable distribution of per capita resources by ethnicity. As all services are customized to the individual, a singular high or low cost service will offset data for small populations, e.g., Native American data. Amongst children we see a \$7000 difference between the high and low per capita authorization, which closes to a \$3000 gap in terms of actual expenditures.

2014 Ethnicity	Per Capita Expenses	Per Capita Authorized
Asian	\$15,188	\$17,908
Black/Afrcn-Am	\$18,046	\$21,165
Filipino	\$12,738	\$15,174
Hispanic	\$7,549	\$10,924
Native Amercn	\$24,060	\$27,215
Other	\$8,087	\$11,088
Polynesian	\$10,764	\$15,427
White	\$19,168	\$22,296

Ethnicity 0-3	Per Capita Expenses	Capita Authorize
Asian	\$4,888	\$8,494
Black/African Amrcr	\$2,077	\$4,808
Filipino	\$5,052	\$8,691
Hispanic	\$4,120	\$8,016
Native American	\$8,564	\$14,068
Other	\$4,346	\$8,410
Polynesian	\$3,718	\$9,845
White	\$4,537	\$8,150



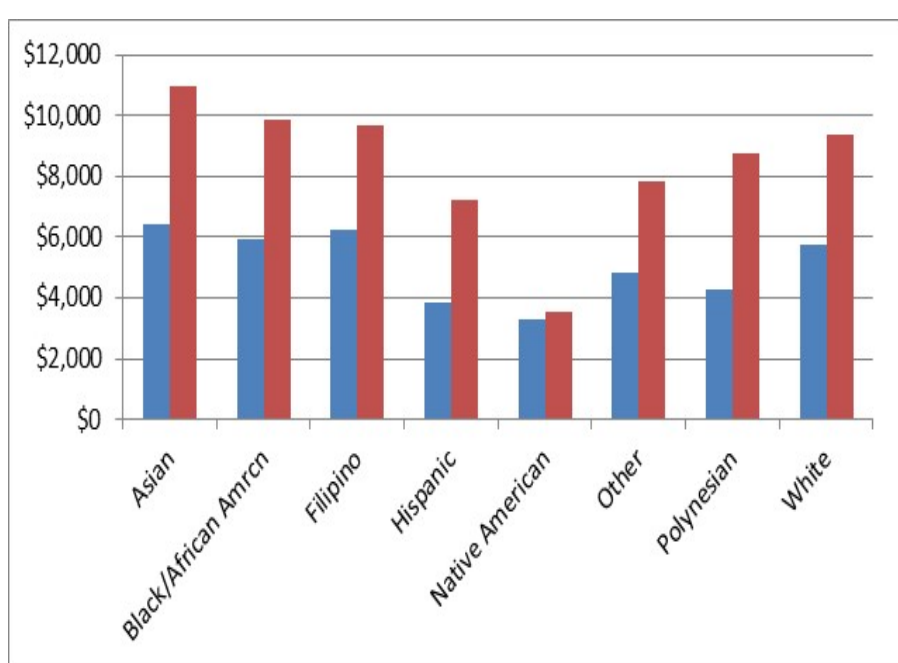
Of concern is the higher discrepancy between Authorization and Expenditures for children's services, which on average is a 56% difference.

NBRC has reviewed specific Purchase of Services (POS) data regarding a sample of services to explore in what capacity certain services may result in greater discrepancies than others. This review has demonstrated that children's services such as respite and behavior services have a greater disparity between expenditures and authorizations than most other purchases. NBRC will be looking at internal procedures to determine changes that can be made to close this gap.

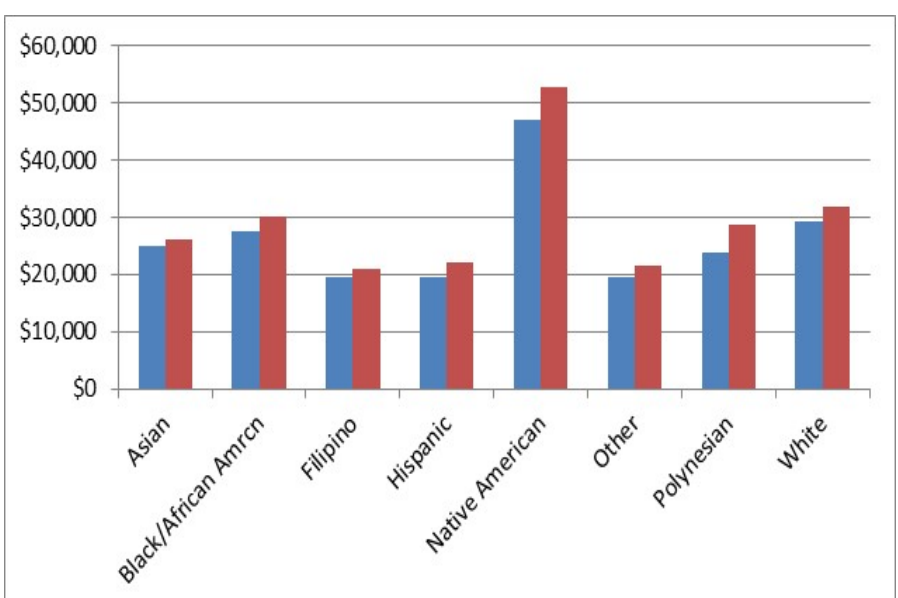
Also of note is the higher per capita cost for adults as compared to children due to the higher costs of residential and day programming services for adults.

The wide range between per capita costs at \$47,194 for Native Americans and the \$19,000 range for Hispanics, Filipino and Other will be addressed when looking at specific costs for services.

Ethnicity 3-21	Per Capita Expenses	Capita Authorize
Asian	\$6,428	\$10,960
Black/African Amrcn	\$5,917	\$9,891
Filipino	\$6,223	\$9,660
Hispanic	\$3,823	\$7,214
Native American	\$3,310	\$3,531
Other	\$4,827	\$7,822
Polynesian	\$4,305	\$8,749
White	\$5,756	\$9,389



Ethnicity 22+	Per Capita Expenses	Capita Authorize
Asian	\$25,081	\$26,271
Black/African Amrcn	\$27,450	\$30,083
Filipino	\$19,681	\$21,047
Hispanic	\$19,455	\$22,190
Native American	\$47,194	\$52,922
Other	\$19,540	\$21,526
Polynesian	\$23,754	\$28,645
White	\$29,164	\$31,926



### NBRC Services by Language

The major language groups receiving NBRC services are primarily **English, Spanish (20%) and Tagalog (1%)**. NBRC serves individuals that speak many languages including Korean, Russian, Swahili, and Chinese, all at less than 6 individuals. **All Other Languages** constitute languages that are not identified as part or any other language group.

### Languages by Age Group

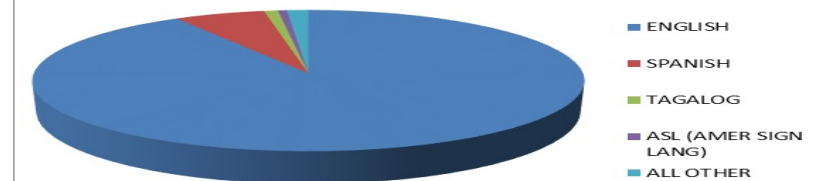
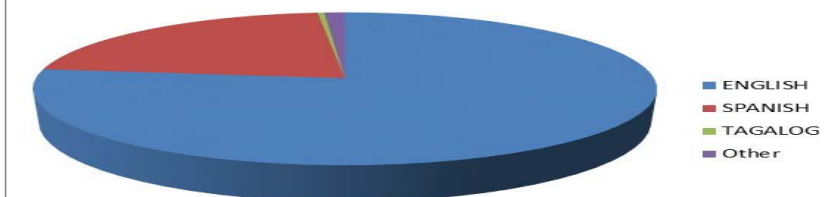
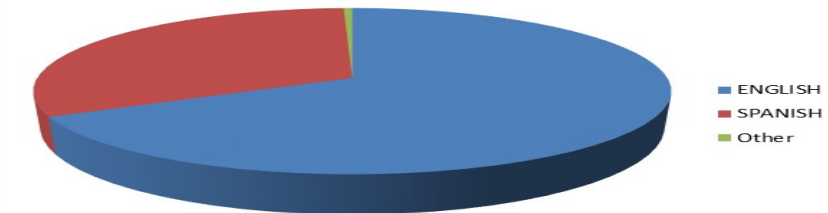
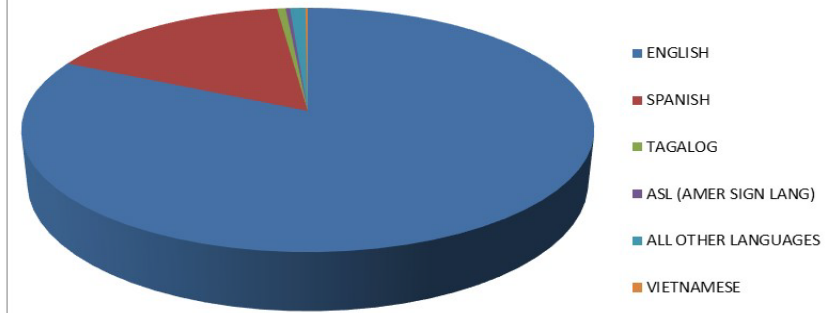
By age group again we see significant differences. Between the 0-3 infants and children 3-21, Spanish language constitutes 24% of that population, as opposed to 6% of the adult population. NBRC will need to address the changing service needs of the Spanish speaking population as children transition to adulthood. Increased bi-lingual and bi-cultural staffing at NBRC these past two years has resulted in a 16% increase in staff who speak Spanish and an additional 2 who speak Tagalog.

2014 Language	Consumer Count
ENGLISH	7,474
SPANISH	1,460
TAGALOG	51
ASL (AMER SIGN LANG)	26
ALL OTHER LANGUAGES	92
VIETNAMESE	14
ARABIC	9

0-3	Count
ENGLISH	937
SPANISH	442
other	7
Total	1,386

Three- 21	Count
ENGLISH	2,780
SPANISH	775
TAGALOG	14
Other	44
TOTAL	3,613

22+	COUNT
ENGLISH	3,757
SPANISH	243
TAGALOG	37
ASL (AMER SIGN LANG)	24
ALL OTHER	57
TOTAL	4,118

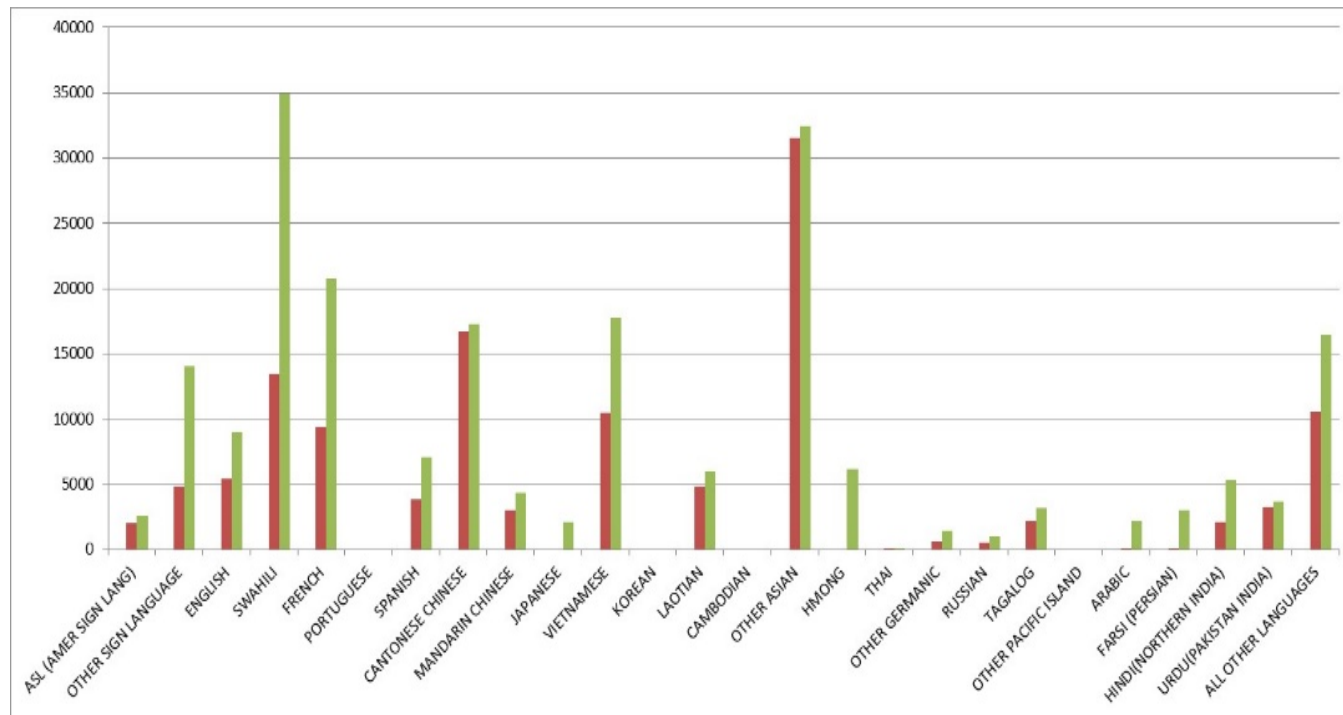
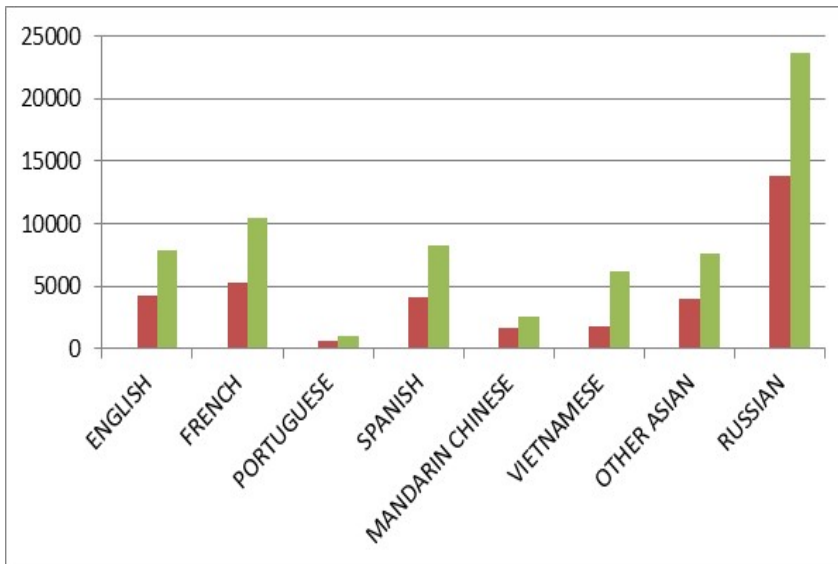


### Costs by Language Group

Breaking out costs by ethnicity and age, again we see where a small population, e.g., Russian and French, may have specific needs or service translation costs, data for that individual will offset cost comparisons. Otherwise we see an approximate \$2000 difference per capita Authorization. Again of concern is the low utilization rate.

Amongst children and adults we see a larger variety of language diversity, albeit smaller populations of less than 1%. Again, language translation and other individual-specific services can offset other cost averages, though again NBRC will need to troubleshoot individual cost Authorizations versus Expenditures especially as concerns speakers of Swahili, French, Other Sign Languages, Vietnamese and Hmong. Likewise with adults, further research will be conducted regarding Italian, Cambodian, and Arabic language speakers.

0-3 Ethnicity Language	Per Capita Expenses	Per Capita Authorized
ENGLISH	\$4,291	\$7,940
FRENCH	\$5,336	\$10,430
PORTUGUESE	\$579	\$1,004
SPANISH	\$4,181	\$8,218
MANDRNCINESE	\$1,670	\$2,584
VIETNAMESE	\$1,784	\$6,144
OTHER ASIAN	\$4,022	\$7,612
RUSSIAN	\$13,779	\$23,589
Totals	\$35,642	\$67,521

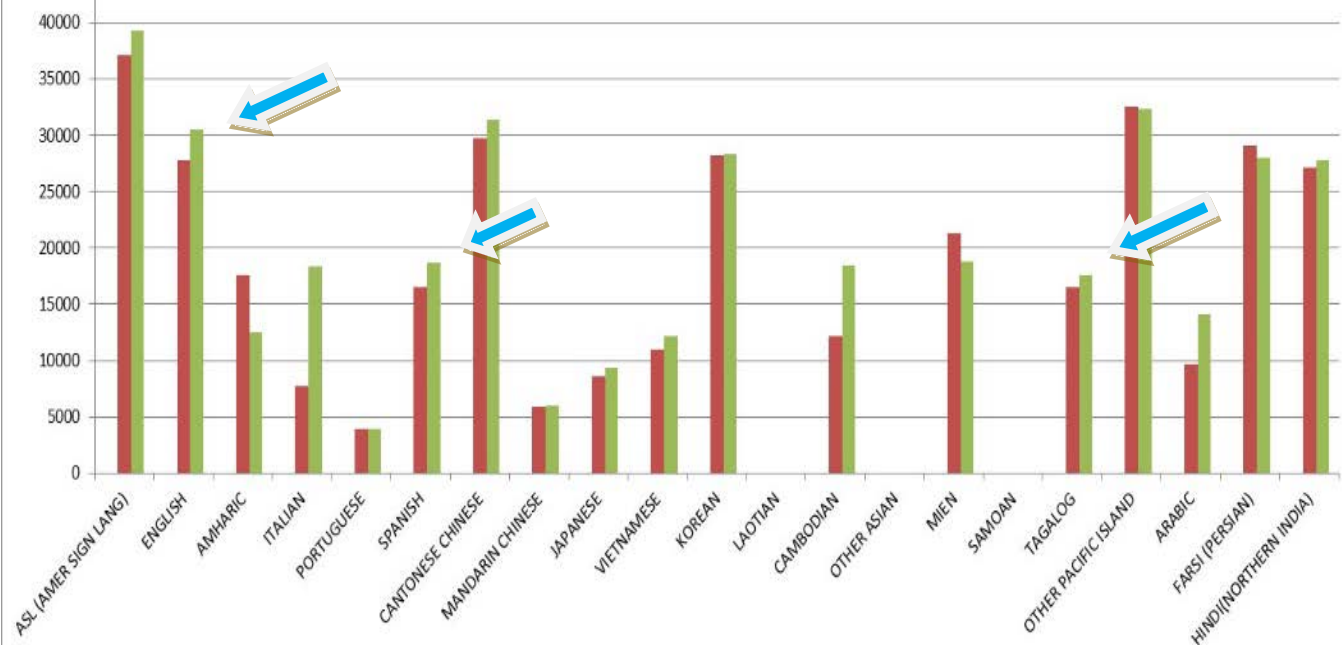




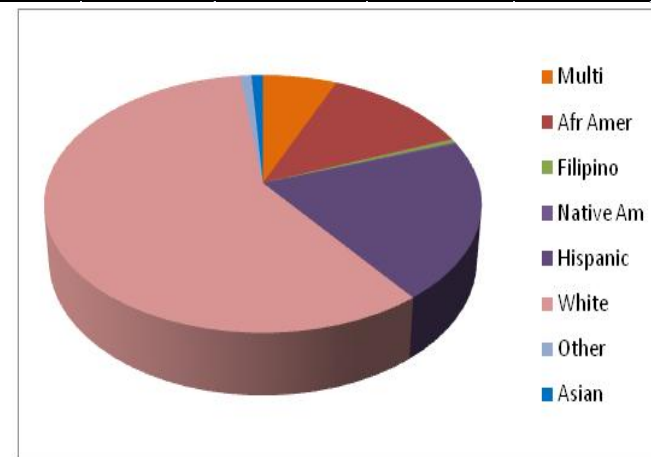
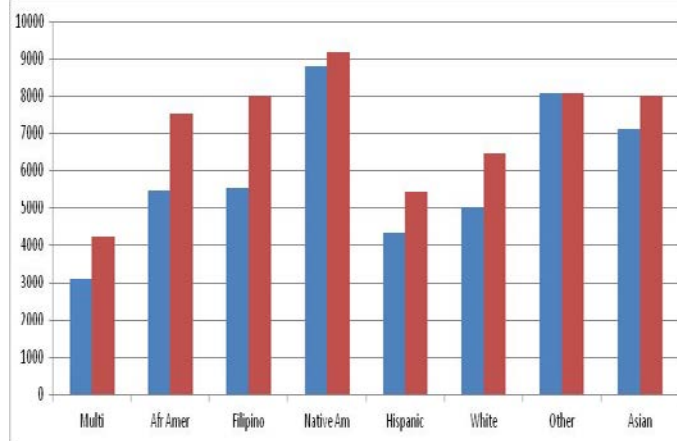
Again, across the board we see decreased utilization discrepancies amongst adults ages 22 and over. Here amongst major ethnic groups we see English language adults with per capita authorizations at \$30,433, with Spanish and Tagalog at \$18,729 and \$17,652 respectively. And again language translation costs and specialized language services (ASL) will impact data for small populations (Hindi, Farsi, Chinese, Korean).

#### NBRC Residential POS' by Ethnic Group

When reviewing some of the services purchased by NBRC, it also becomes a more clear how some of the expenditure discrepancies come about. As mentioned, adult services come at a higher cost than children's services, especially regarding residential and day program services. While the per capita Independent Living Services (ILS) show close utility, the largest number of clients receiving the services are White. Of interest, a larger representative group (16%) of the Latino population is accessing ILS services compared to the White (8%), African American (10%) and Filipino (1%).



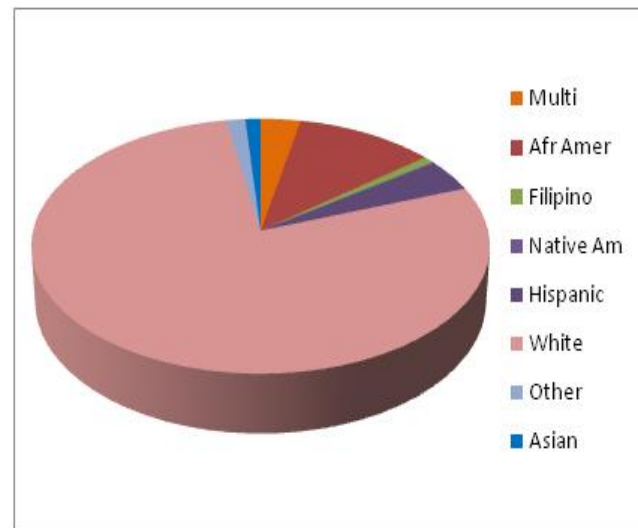
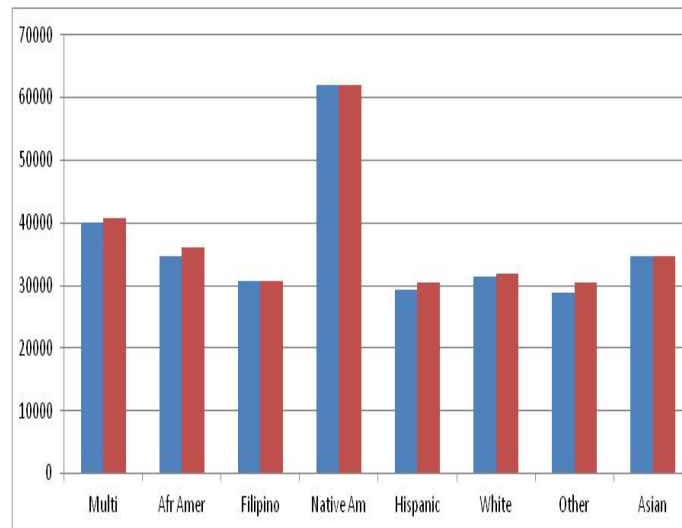
ILS	Multi	Afr Amer	Filipino	Native Am	Hispanic	White	Other	Asian
Expend	3113	5471	5556	8829	4359	5019	8080	7128
Auth	4252	7539	8026	9173	5451	6468	8080	8028



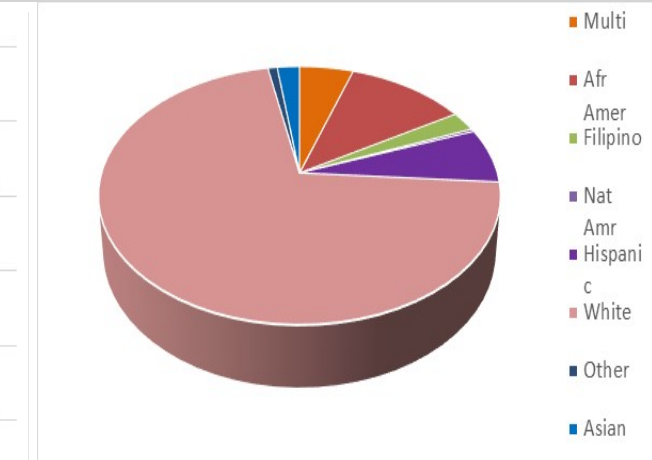
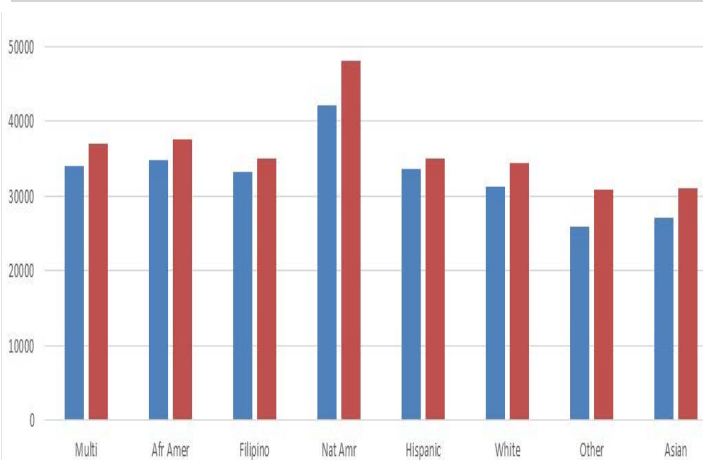
Likewise with Supported Living Services (SLS), again we see very close utility of services and equitable distribution at the \$3000-\$4000 range with the exception of Native Americans. Albeit here we see a far greater portion of White clients using SLS at nearly 3/4ths (19%) compared to African Americans (15%), Latino (5%) and Filipino (4%).

Regarding Community Care Facilities, again the largest ethnic group utilizing this service is White, whereas the per capita authorizations and expenditures with most in the \$35,000 range with the exception of Native American. As CCF services costs range from various levels of care needed, a small population with high care needs will result in higher per capita costs.

SLS	Multi	Afr Amer	Filipino	Native Am	Hispanic	White	Other	Asian
Per Cap Auth	40690	36035	30715	61908	30574	31962	30550	34737
Per Cap Expen	40019	34683	30715	61908	29283	31467	28865	34737



CCF	Multi	Afr Amer	Filipino	Nat Amr	Hispanic	White	Other	Asian
Per Cap Expend	34089	34888	33273	42210	33612	31188	26011	25297
Per Cap Auth	37116	37531	34984	48198	35085	34524	30802	28728
Utility	92%	93%	95%	88%	96%	90%	84%	87%



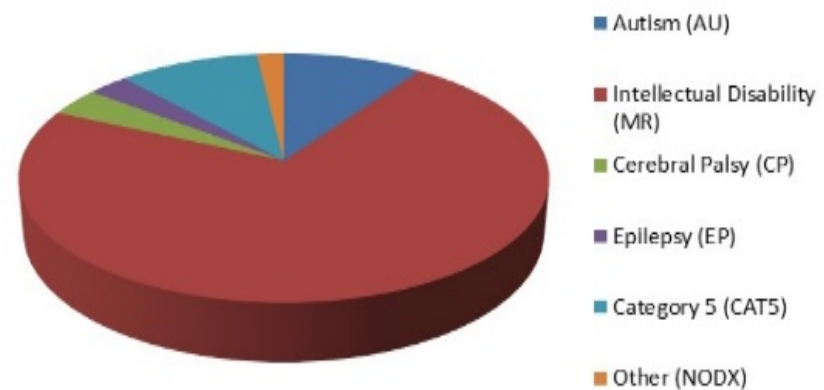
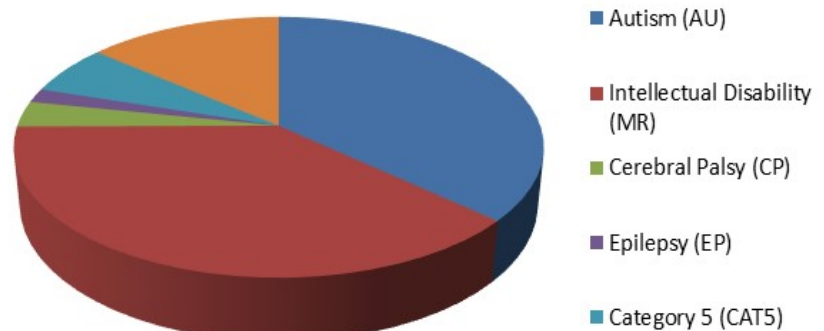
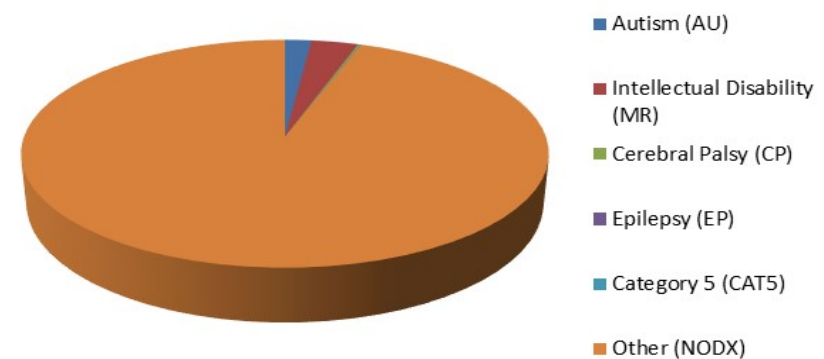
### NBRC Services by Diagnosis

Data by diagnosis is broken out in two categories: Summary data and Detail. Here Summary data reveals that of the major diagnosis groups, the majority of infants in Early Intervention have not yet been diagnosed, which correlates to Early Start. Also as is evident, earlier diagnostic tools may indicate Autism or an Intellectual Disability prior to age 3. Concerning children and adult, of note is the higher percentage of children diagnosed with Autism (36%) as opposed to 10% of adults. Addressing the different needs of this population in adulthood will be paramount.

0-3	Count
Autism (AU)	26
Intellectual Disability (MR)	46
Cerebral Palsy (CP)	2
Epilepsy (EP)	0
Category 5 (CAT5)	1
Other (NODX)	1,311

Three-21	Count
Autism (AU)	1,324
Intellectual Disability (MR)	1,382
Cerebral Palsy (CP)	116
Epilepsy (EP)	63
Category 5 (CAT5)	224
Other (NODX)	504

22+	Count
Autism (AU)	403
Intellectual Disability (MR)	2,964
Cerebral Palsy (CP)	150
Epilepsy (EP)	119
Category 5 (CAT5)	404
Other (NODX)	78





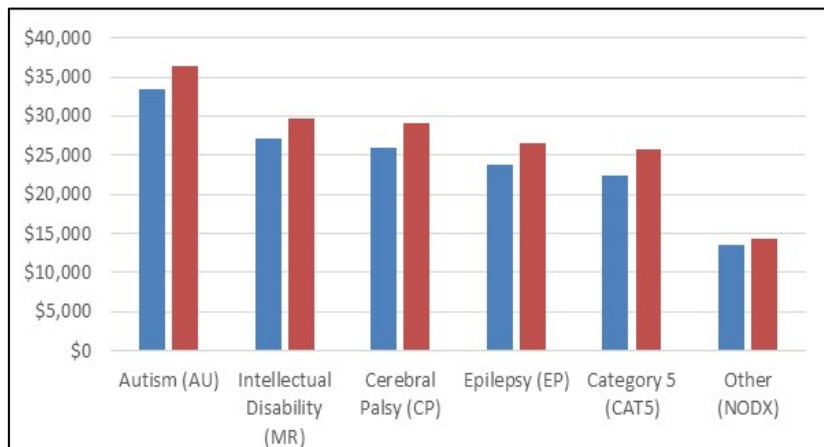
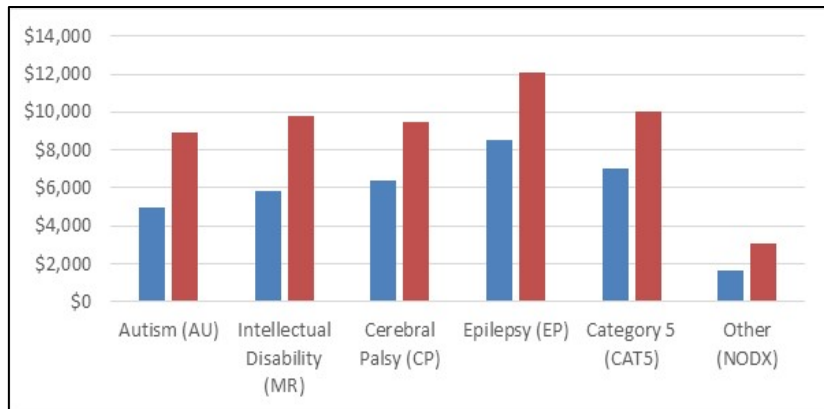
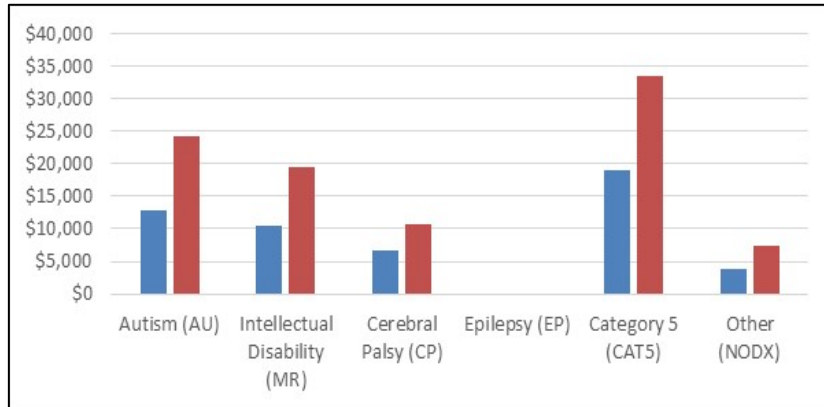
### Costs by Diagnosis

Reviewing Summary trends, data tells us the highest costs for children and infant services pertains to the Category 5 diagnosis, meaning conditions that require services similar to that of an intellectual disability. For adults, while most fall between \$25000 and almost \$30000, for those with Autism \$36,368 is the per capita Authorized. Again we see the higher discrepancies between Authorization and Expenditures, with greater differences in Early Intervention Category 5 (\$14000) and Autism (\$12000).

0-3	Per Capita	Per Capita
Autism (AU)	\$12,804	\$24,234
Intellectual Disability (ID)	\$10,529	\$19,531
Cerebral Palsy (CP)	\$6,657	\$10,637
Epilepsy (EP)		
Category 5 (CAT5)	\$18,917	\$33,397
Other (NODX)	\$3,850	\$7,282

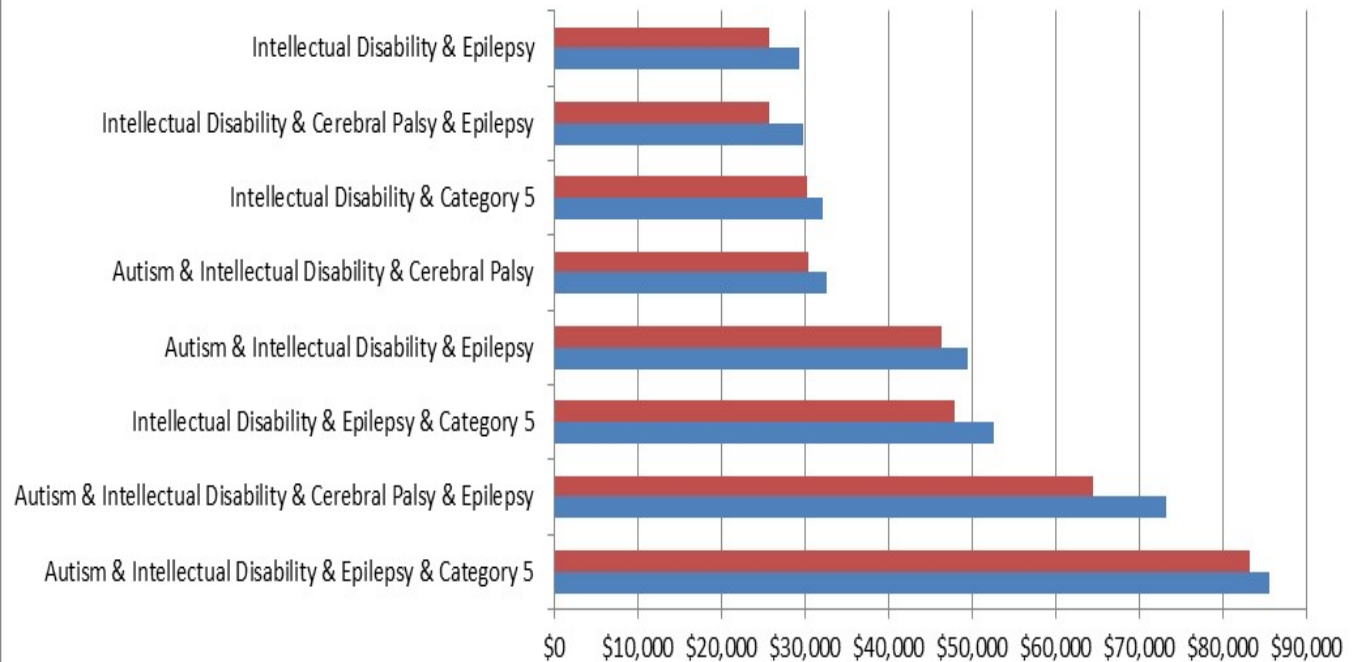
Three-21	Capita Expenses	Capita Authorize
Autism (AU)	\$4,954	\$8,887
Intellectual Disability (ID)	\$5,849	\$9,767
Cerebral Palsy (CP)	\$6,391	\$9,455
Epilepsy (EP)	\$8,557	\$12,064
Category 5 (CAT5)	\$7,035	\$10,026
Other (NODX)	\$1,637	\$3,074

22+	Capita Expenses	Capita Authorize
Autism (AU)	\$33,343	\$36,368
Intellectual Disability (ID)	\$27,135	\$29,631
Cerebral Palsy (CP)	\$25,918	\$29,085
Epilepsy (EP)	\$23,826	\$26,586
Category 5 (CAT5)	\$22,353	\$25,659
Other (NODX)	\$13,427	\$14,387



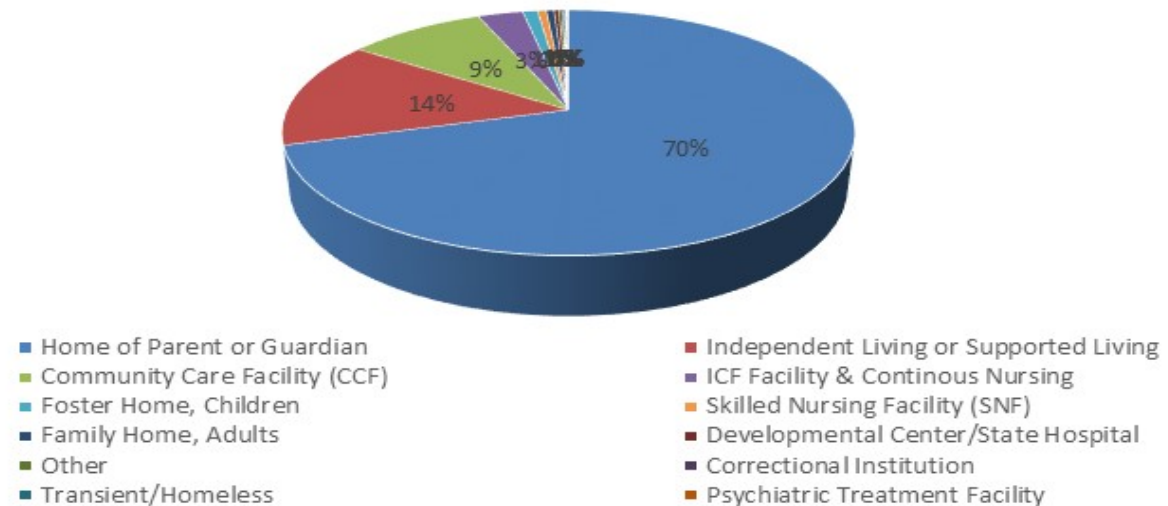
### Cost by Diagnosis: Detail

As the graph demonstrates, when looking at diagnosis detail (including multiple diagnoses), we see trends indicating the higher costs correlating more diagnoses (4: Autism, ID, Epilepsy, Category 5) and then gradually lessening as co-occurring diagnoses are identified (ID and Epilepsy).



### Population by Residence

As the pie chart shows, the majority of individuals receiving services live at the home of a parent or guardian (70%). With Independent or Supported living (14%) and Community Care Facilities (9%) coming next, NBRC service coordination continues to address service needs in a variety of living situations.



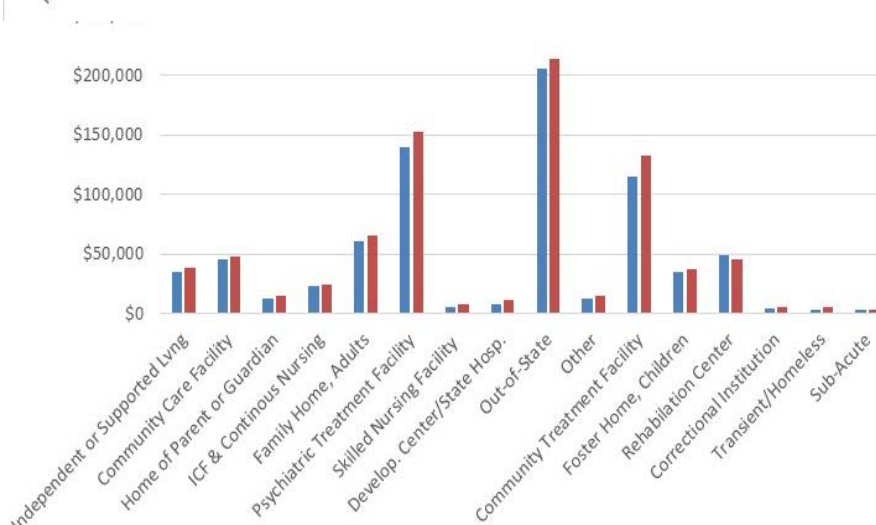
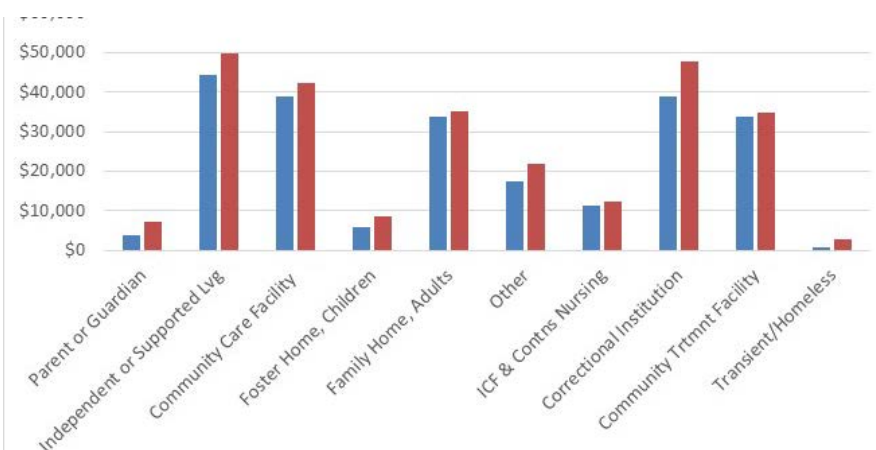
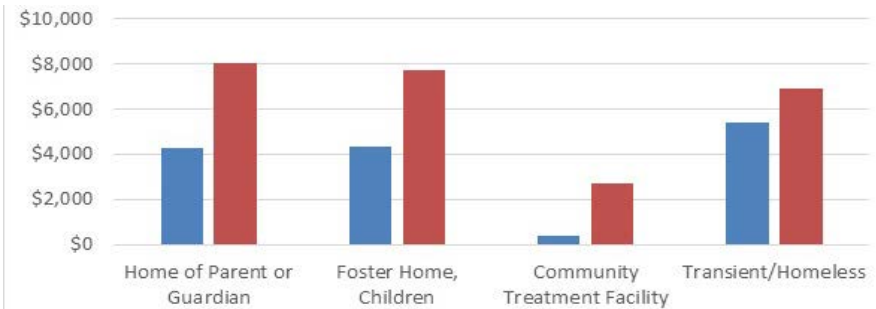
### Costs By Residence

As expected, most infants and children reside at the home of their parents or guardians, with Authorized costs averaging \$7636 and Expenditures \$4000 between 0-22 year olds. For adults, while living in the home of a parent is Authorized at \$14776 and Expenditures at \$12679, living in the community costs significantly more. Independent and Supported Living Expenditures at \$34622 and Community Care Facilities at \$45558. The highest costs, though, again reflect a small number of clients with individualized supports at \$206,077 for out of state and \$139,483 for Psychiatric Facility. In general, we continue seeing a pattern of \$3000-\$4000 discrepancy between Authorizations and Expenditures regardless of residence type.

birth-3	Per Capita Expenses	Per Capita Authorized
Home of Parent or Guardian	\$4,256	\$8,042
Foster Home, Children	\$4,315	\$7,753
Community Treatment Facility	\$398	\$2,710
Transient/Homeless	\$5,419	\$6,892

three-21	Per Capita Expenses	Per Capita Authorized
Parent or Guardian	\$3,757	\$7,231
Independent or Supported Lvg	\$44,165	\$49,664
Community Care Facility	\$38,725	\$42,435
Foster Home, Children	\$5,767	\$8,381
Family Home, Adults	\$33,718	\$34,981
Other	\$17,411	\$21,789
ICF & Contns Nursing	\$11,306	\$12,320
Correctional Institution	\$38,852	\$47,591
Community Trtmt Facility	\$33,915	\$34,754
Transient/Homeless	\$775	\$2,678

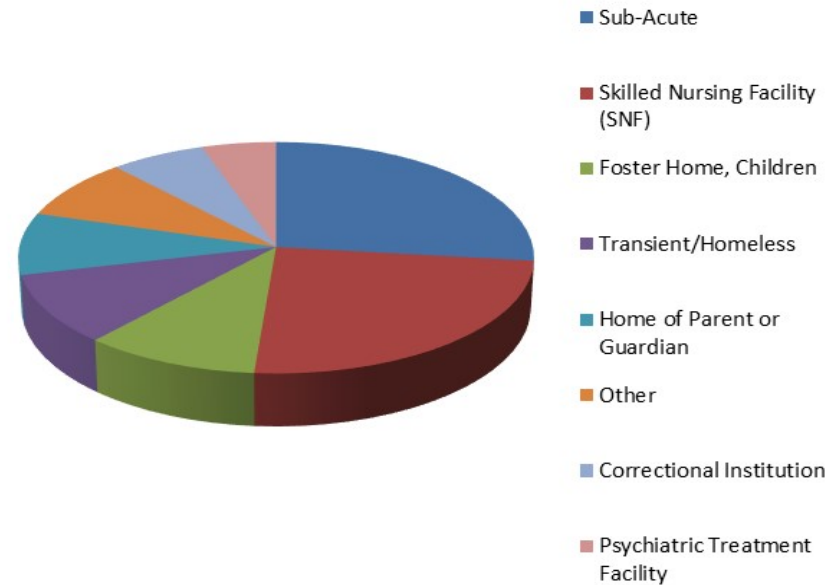
22+	Per Capita Expenses	Per Capita Authorized
Independent or Supported Lvg	\$34,622	\$38,422
Community Care Facility	\$45,558	\$47,867
Home of Parent or Guardian	\$12,679	\$14,776
ICF & Continuous Nursing	\$23,038	\$24,146
Family Home, Adults	\$61,230	\$64,888
Psychiatric Treatment Facility	\$139,483	\$152,997
Skilled Nursing Facility	\$5,421	\$7,438
Develop. Center/State Hosp.	\$7,437	\$10,851
Out-of-State	\$206,077	\$213,253
Other	\$12,357	\$14,716
Community Treatment Facility	\$114,783	\$132,960
Foster Home, Children	\$34,637	\$36,646
Rehabilitation Center	\$49,003	\$44,822
Correctional Institution	\$3,730	\$5,581
Transient/Homeless	\$3,140	\$5,304
Sub-Acute	\$2,617	\$3,044



### No Services by Residence

Reviewing the data regarding where people live when they are not receiving services, we see that generally between 20% and 28% of individuals living at parents'/guardians' home, foster home, homeless, or Other living arrangement are not receiving services. Otherwise, again small populations are at a higher rate (sub-acute 75%) and those residing where NBRC would not be paying for residential services, e.g., SNF, are at a higher rate.

Fiscal Year 2014 Residence	No Services	Percent No Service s
Sub-Acute	3	75.0%
Skilled Nursing Facility (SNF)	36	67.9%
Foster Home, Children	26	28.3%
Transient/Homeless	3	27.3%
Home of Parent or Guardian	1,554	24.2%
Other	5	23.8%
Correctional Institution	2	18.2%
Psychiatric Treatment Facility	1	14.3%
Independent or Supported Living	64	5.0%
ICF Facility & Continuous Nursing	11	4.0%
Develop. Center/State Hospital	1	3.5%
Family Home, Adults	1	2.1%
Community Care Facility (CCF)	12	1.4%
Community Treatment Facility	0	0.0%
Out-of-State	0	0.0%
Rehabilitation Center	0	0.0%

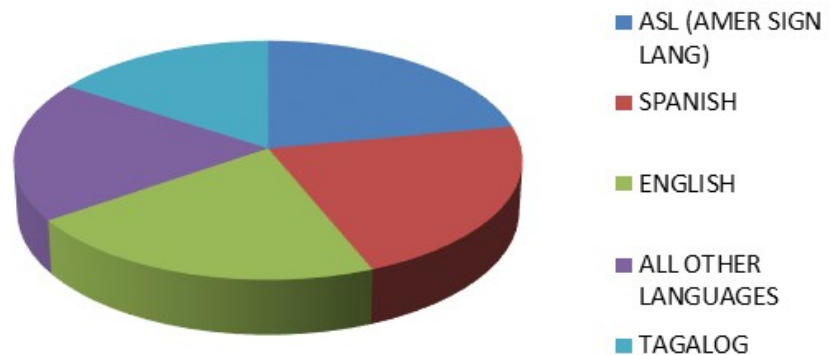


### No Services by Language

Amongst major language groups served by NBRC, those not receiving services is equitably distributed across groups at approximately 18% with the exception of a smaller number (13%) of Tagalog speakers.

In reviewing the age group detail, amongst infants concern is raised assessing for individual's service needs to determine language barriers are not preventing

	Percent No Services
ASL (AMER SIGN LANG)	19.2%
SPANISH	19.2%
ENGLISH	18.7%
ALL OTHER LANG	16.7%
TAGALOG	13.7%



access or service delivery. Likewise with children, where again a single individual who is not receiving services of a particular language group, e.g., Japanese, should not be excluded from access to needed services.

With adults, where the lowest amongst all language groups are Tagalog (5%) and English (11%), again NBRC needs to assess for individual needs and language barriers that may hinder both access to and delivery of needed services. Continued outreach and identification of language barriers per Preferred Language data collection will need to be completed to identify where and how language barriers are impacting access to and delivery of services.

0-3	Consumer Count	% No Services
ENGLISH	937	4.1%
FRENCH	1	0.0%
PORTUGUESE	1	0.0%
SPANISH	442	4.5%
MANDARIN CHI	1	0.0%
VIETNAMESE	2	0.0%
OTHER ASIAN	1	0.0%
RUSSIAN	1	0.0%

Three-21	No Services	% No Services
ASL (AMER SIGN LANG)	1	50.0%
OTHER SIGN LANGUAGE	0	0.0%
ENGLISH	946	34.0%
SWAHILI	1	50.0%
FRENCH	0	0.0%
PORTUGUESE	1	100.0%
SPANISH	212	27.4%
CANTONESE CHINESE	2	66.7%
MANDARIN CHINESE	0	0.0%
JAPANESE	1	100.0%
VIETNAMESE	1	14.3%
KOREAN	1	100.0%
LAOTIAN	1	50.0%
CAMBODIAN	1	100.0%
OTHER ASIAN	0	0.0%
HMONG	1	100.0%
THAI	0	0.0%
TAGALOG	5	35.7%
OTHER PACIFIC ISLAND	1	100.0%
ARABIC	4	80.0%
FARSI (PERSIAN)	0	0.0%
HINDI(NORTHERN INDIA)	0	0.0%
URDU(PAKISTAN INDIA)	0	0.0%
ALL OTHER LANGUAGES	1	25.0%

22+ Language	Count	% No Services
ASL (AMER SIGN LANG)	24	16.7%
ENGLISH	3,757	11.0%
AMHARIC	1	0.0%
ITALIAN	1	0.0%
PORTUGUESE	4	50.0%
SPANISH	243	19.8%
CANTONESE CHINESE	3	0.0%
MANDARIN CHINESE	3	0.0%
JAPANESE	2	50.0%
VIETNAMESE	5	40.0%
KOREAN	4	0.0%
LAOTIAN	1	100.0%
CAMBODIAN	5	40.0%
OTHER ASIAN	1	100.0%
MIEN	1	0.0%
SAMOAN	1	100.0%
TAGALOG	37	5.4%
OTHER PACIFIC ISLAND	2	0.0%
ARABIC	4	25.0%
FARSI (PERSIAN)	2	0.0%
HINDI(NORTHERN INDIA)	3	33.3%
ALL OTHER LANGUAGES	14	14.3%



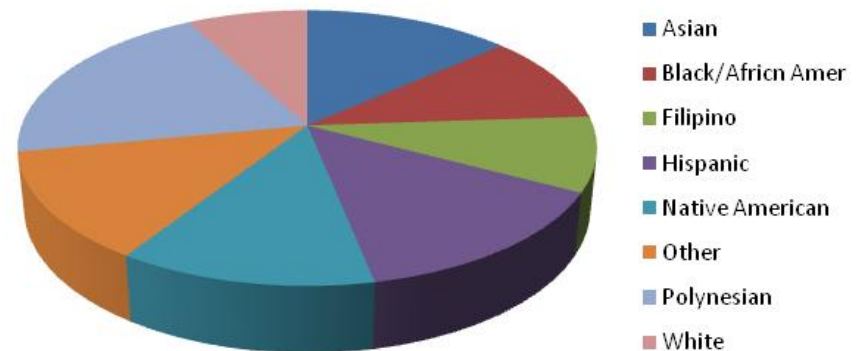
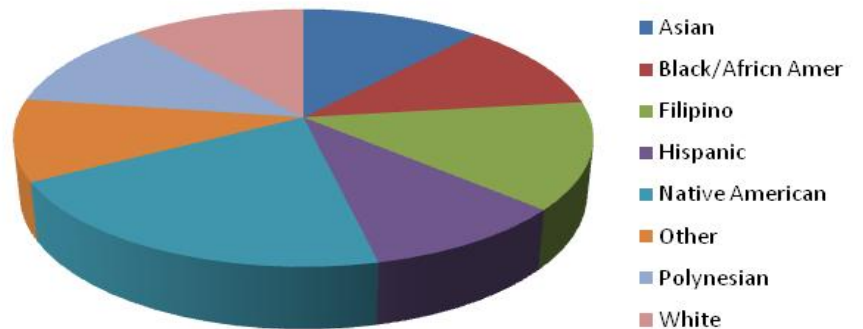
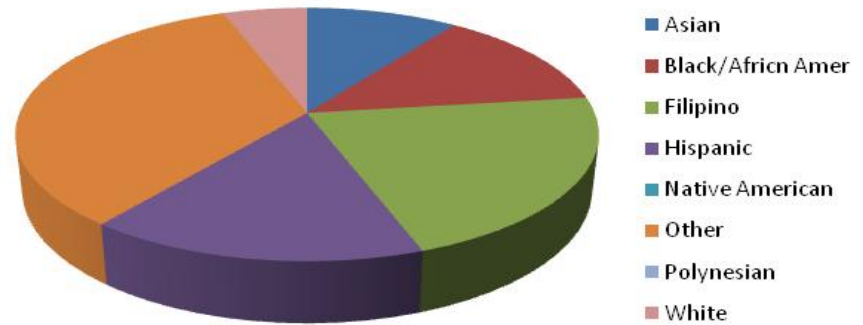
### No services by Age & Ethnicity

The pie graphs here show that as a percentage of the group no individual ethnic group has been singled out as not receiving services, though clearly when broken out, these do not correspond with the population demographics and thereby point to inequities where access to services may be concerned. Important to recognize, though, is when assessing for needs the identification of cultural challenges that may be impacting an individual's access to services. While children may be receiving most of their services through their schools, for adults this becomes particularly important as evidenced by the much smaller percentage of Whites (9%) not receiving services than any other ethnic group, Hispanic being at the higher end with 17% (Polynesian being the highest at 25% though a small population)

0-2	Consumer Count	No Services
Asian	37	1
Black/Africn Amer	56	2
Filipino	17	1
Hispanic	568	25
Native American	2	0
Other	238	22
Polynesian	1	0
White	467	7

Three-21	Consumer Count	No Services
Asian	57	20
Black/Africn Amer	300	101
Filipino	127	51
Hispanic	1,043	310
Native American	13	8
Other	591	181
Polynesian	15	5
White	1,467	504

22+	Consumer Count	No Services
Asian	89	15
Black/Africn Amer	482	62
Filipino	138	15
Hispanic	490	86
Native American	13	2
Other	246	39
Polynesian	8	2
White	2,652	260



**Insurance Payments by  
Residence, Ethnicity,  
Language**

For the first year DDS has provided data on insurance payments for behavioral services by age, residence and ethnicity. Clearly most insurance payment have been made to clients residing in the home of a parent or guardian. In terms of ethnicity, most payments we made to White clients at almost 8 times more than Hispanic and Filipino. Lastly, all payments were made to English language clients. As this is the first year collecting this data, it raises several concerns regarding assessing for both access to services and ensuring clients and families have an understanding of the relation between regional centers and payment on insurance co-pays and deductions.

2014 Residence	Consumer Count	Total Expenses	Total Authorized	Per Capita Expenses	Per Capita Authorized	Utilized
Home of Parent (	52	\$40,134	\$141,767	\$772	\$2,726	28.3%
Community Care	1	\$180	\$2,505	\$180	\$2,505	7.2%
<b>Ethnicity: 0-3</b>						
Black/African-Am	1	\$165	\$2,625	\$165	\$2,625	6.3%
Other	2	\$360	\$1,880	\$180	\$940	19.2%
<b>Ethnicity: 3-21</b>						
Black/African-Am	4	\$905	\$7,015	\$226	\$1,754	12.9%
Filipino	4	\$5,715	\$9,405	\$1,429	\$2,351	60.8%
Hispanic	4	\$2,510	\$14,065	\$628	\$3,516	17.9%
Native American	0					
Other Ethnicity c	8	\$5,830	\$15,815	\$729	\$1,977	36.9%
Polynesian	1	\$3,218	\$3,218	\$3,218	\$3,218	100.0%
White	29	\$21,611	\$90,249	\$745	\$3,112	24.0%
<b>Language</b>						
ENGLISH	53	\$40,314	\$144,272	\$761	\$2,722	27.9%

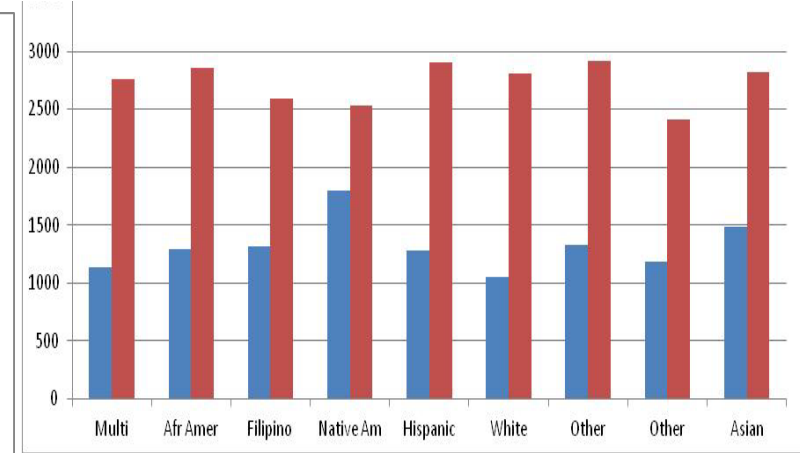
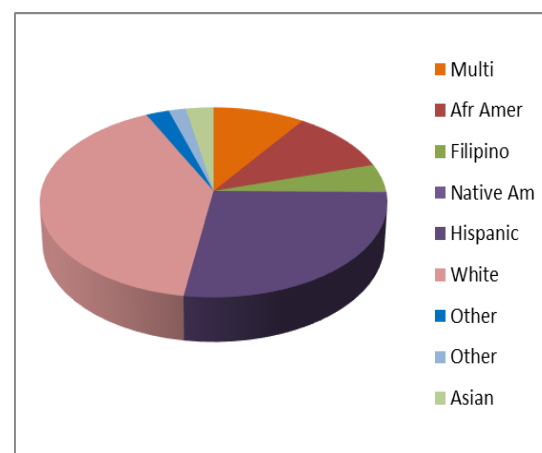
### NBRC Respite Services by Ethnic Group

Respite services are one of the largest expenditures for children's services with a total of 2,931 clients receiving this service at \$3,472,696. Regarding the distribution of funds, the Hispanic and Other ethnic groups Authorizations are higher than all others, while utility at 44% only exceeds the White and Multi groups.

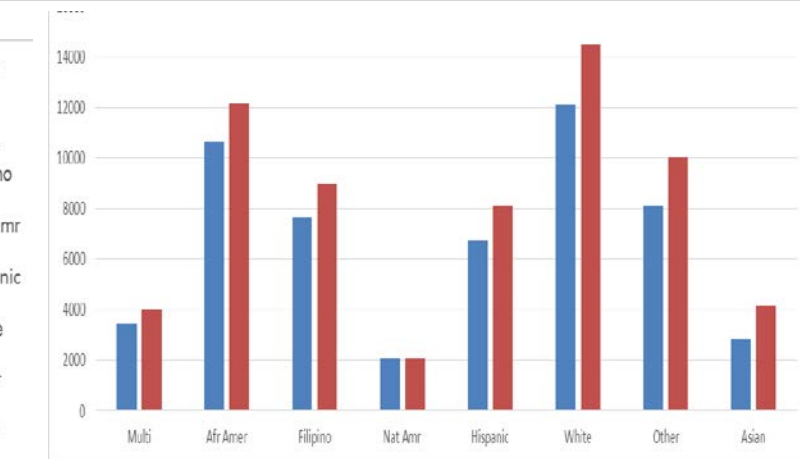
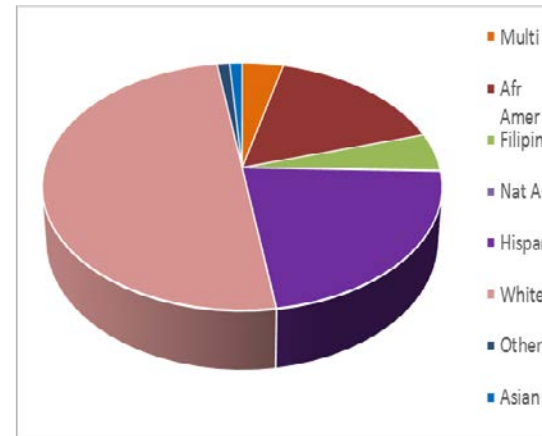
### NBRC Daycare Services by Ethnic Group

In review of Daycare, here we see a closer utility but a wider gap between various ethnic groups, with Asian at the top having over \$21000 in Authorizations with Multi ethnicity at the bottom with only \$4057.

Respite	Multi	Afr Amer	Filipino	Native Am	Hispanic	White	Other	Other	Asian
Per Cap Expen	1129	1295	1319	1801	1278	1050	1322	1184	1478
Per Cap Auth	2755	2861	2586	2527	2907	2804	2920	2413	2825
Utility	41%	45%	51%	71%	44%	37%	45%	49%	52%



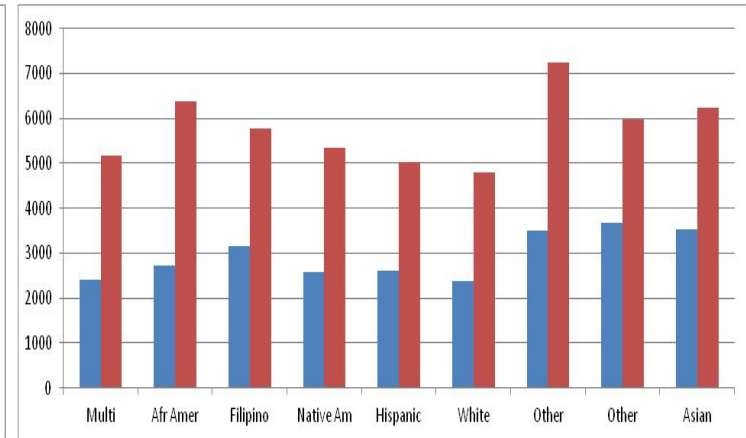
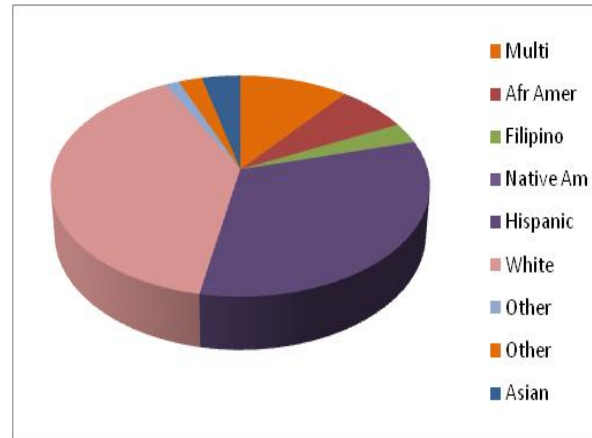
Ethnicity	Multi	Afr Amer	Filipino	Nat Amr	Hispanic	White	Other	Asian
Per Cap Expend	3434	10678	7664	2100	6780	12139	8124	2831
Per Cap Auth	4057	12182	8997	2100	8121	14516	10041	4157
Utility	85%	88%	85%	100%	120%	84%	80%	87%



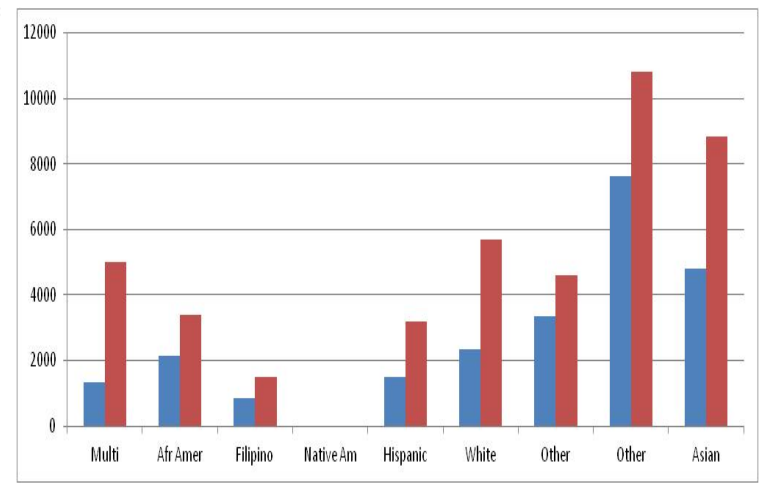
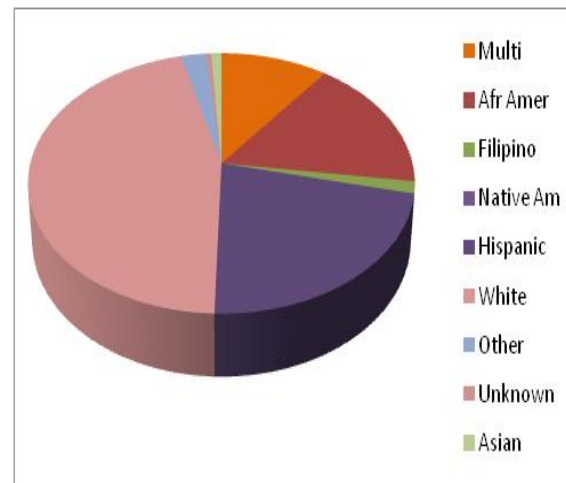
### NBRC Behavioral Services by Ethnic Group

The third largest purchase of service for children is behavior services. While new legislation mandated private insurance pay for behavior services for children with autism, for all other developmental disabilities regional centers continue to pay. Like respite and daycare, here too we see a low utilization rate for services though a lower Authorization rate for White than any other ethnic group. With the adult population, similarly we see some low utilization percentages, albeit here we have a greater range from 27% to 73%. With the lower authorization rate for Filipino, African Americans and Hispanics, again we must ask what NBRC can do to identify and address these disparities. Recent changes requiring parents to receive behavioral support plan training has also impacted utilization for this service as parents have difficulty receiving instruction.

Behavior	Multi	Afr Amer	Filipino	Native Am	Hispanic	White	Other	Other	Asian
Expend	2395	2733	3166	2592	2599	2388	3508	3676	3538
Auth	5170	6384	5774	5355	5028	4798	7238	5963	6238
Utility	46%	43%	55%	48%	52%	50%	48%	62%	57%



Behavior	Multi	Afr Amer	Filipino	Native Am	Hispanic	White	Other	Unknown	Asian
Expend	1332	2157	850	0	1511	2357	3352	7613	4818
Auth	5000	3376	1500	0	3180	5705	4611	10800	8815
Utility	27%	64%	57%	0%	48%	41%	73%	70%	55%

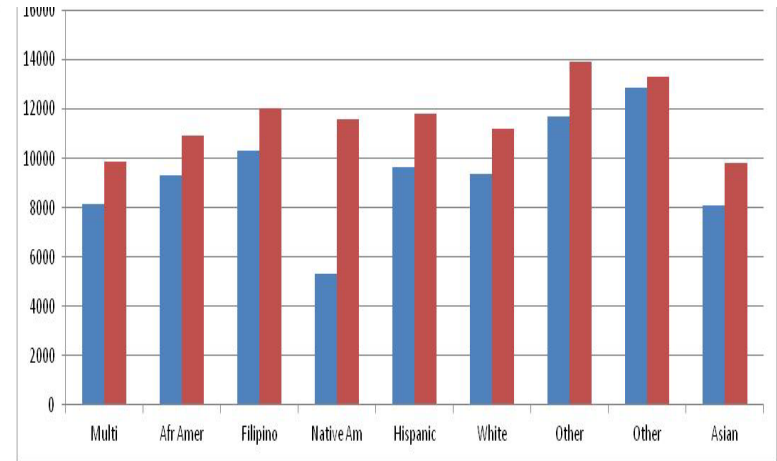
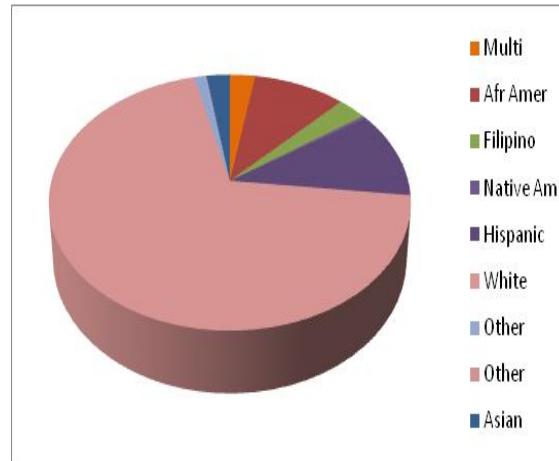


### Adult Day and Behavior Management Programs

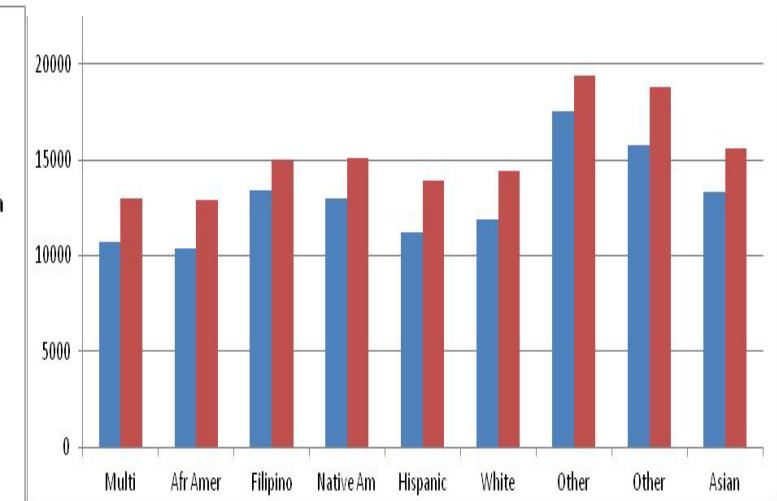
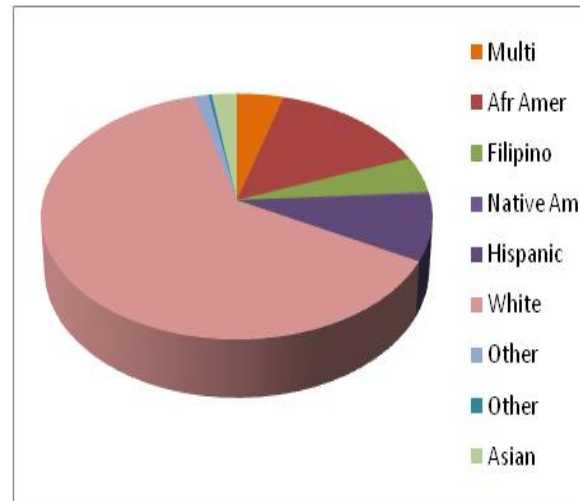
Again it becomes clear here regarding the higher costs for adult services, with day centers and behavior management averaging \$14,905,525 per year for services. Generally we see a higher utilization for these services which have adults participating 5 days a week, 6 hours a day.

Also representative of the adult population, we see a higher portion of Whites accessing these services. But with the White population at 64%, and the Hispanic and African American at 12% of the adult population each, clearly the White population is disproportionately represented in adult day services programs.

Adult Day	Multi	Afr Amer	Filipino	Native Am	Hispanic	White	Other	Other	Asian
Expend	8127	9303	10287	5344	9655	9360	11693	12873	8085
Auth	9859	10949	12047	11595	11783	11197	13900	13303	9787
Utility	79%	81%	81%	81%	81%	81%	79%	96%	81%



Behav Mngmt	Multi	Afr Amer	Filipino	Native Am	Hispanic	White	Other	Other	Asian
Expend	10739	10397	13432	13026	11216	11865	17572	15765	13300
Auth	12972	12869	15030	15093	13911	14400	19418	18812	15634
Utility	83%	81%	89%	86%	81%	82%	90%	84%	85%

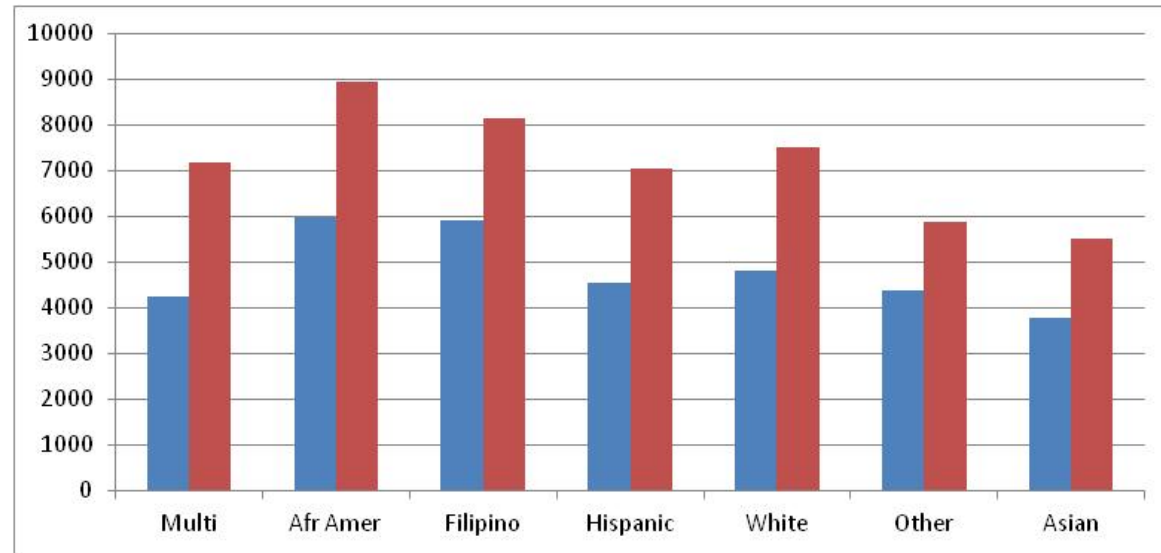
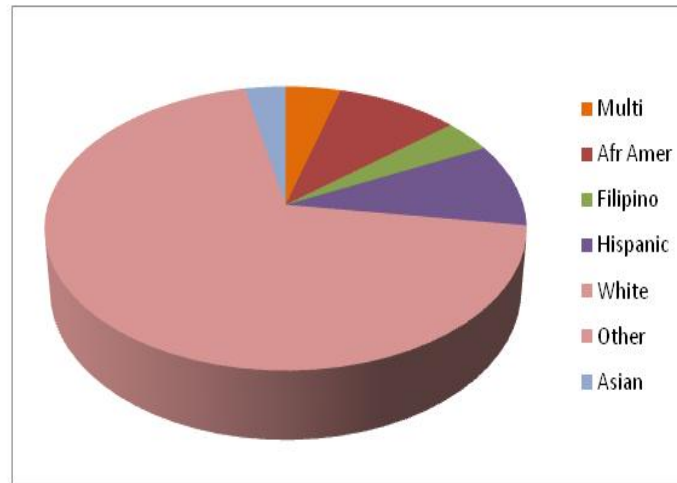




### Supported Employment

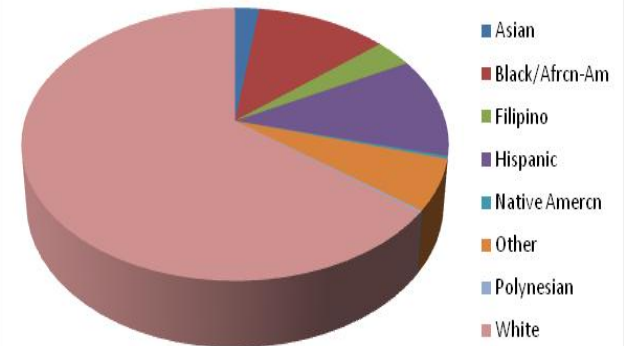
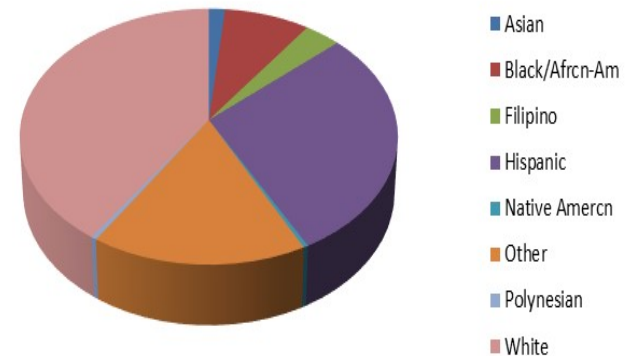
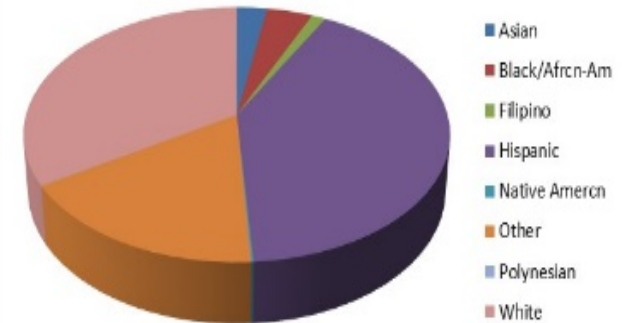
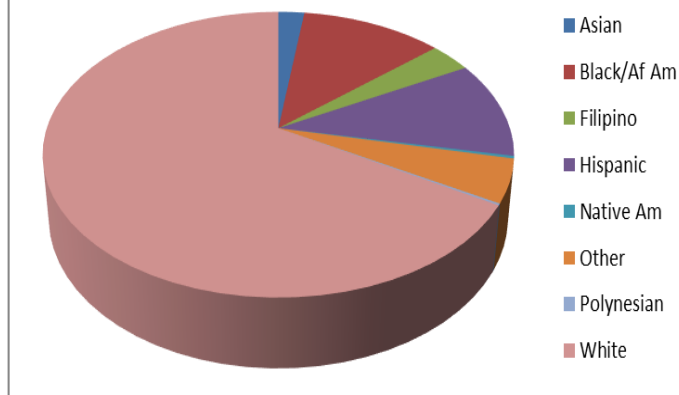
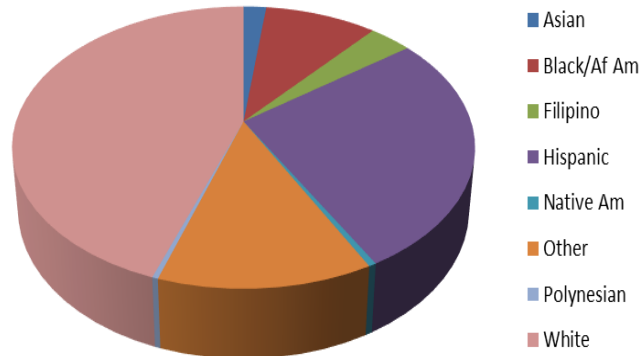
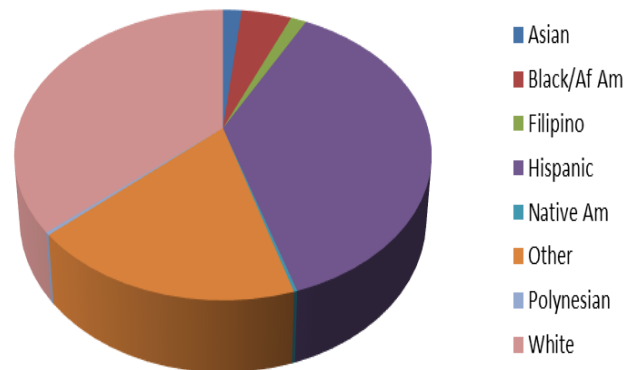
Supported employment services are generally available to adults over 22 years old. Regarding Authorizations we see the highest amount for African Americans and the least for Asian; yet Utility is lowest for Multi and White, with Other ethnicity at the highest utility at 75%. In terms of the demographic accessing this service being more White which, at 64% of the adult demographic at NBRC, are clearly overrepresented here. How we get more ethnic diversity in this area is something NBRC will have to address.

Supptd Empl	Multi	Afr Amer	Filipino	Hispanic	White	Other	Asian
Per Cap Expend	4232	5992	5927	4553	4818	4379	3769
Per Cap Auth	7187	8954	8146	7035	7499	5870	5517
Utility	59%	67%	73%	65%	64%	75%	68%

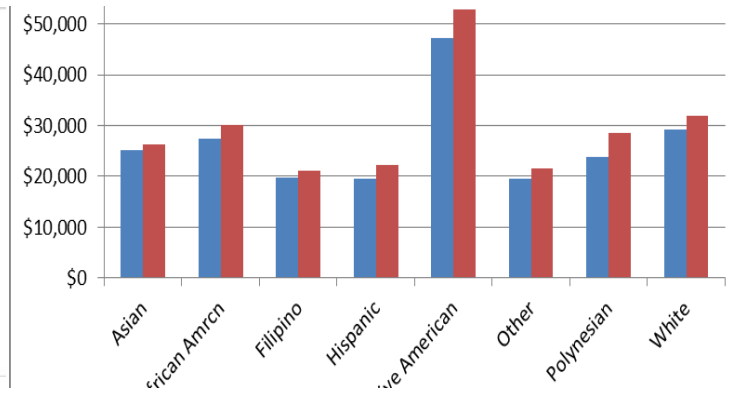
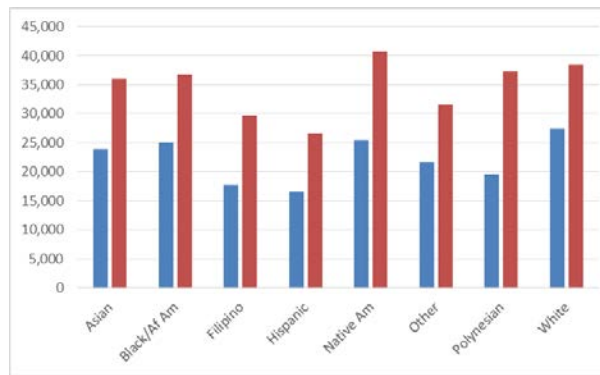
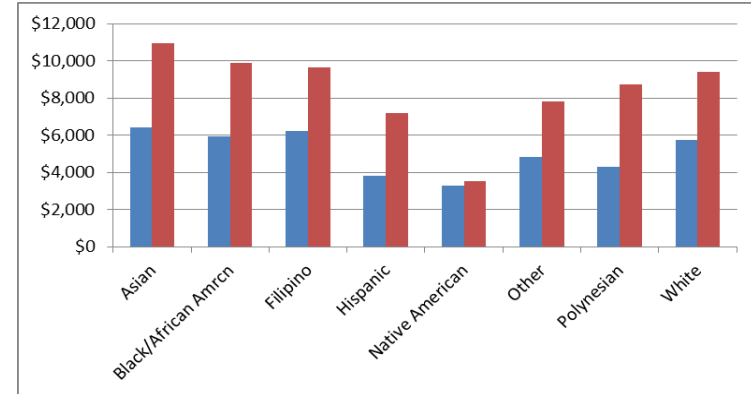
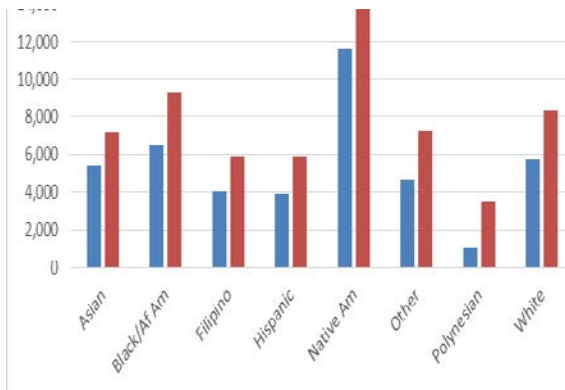
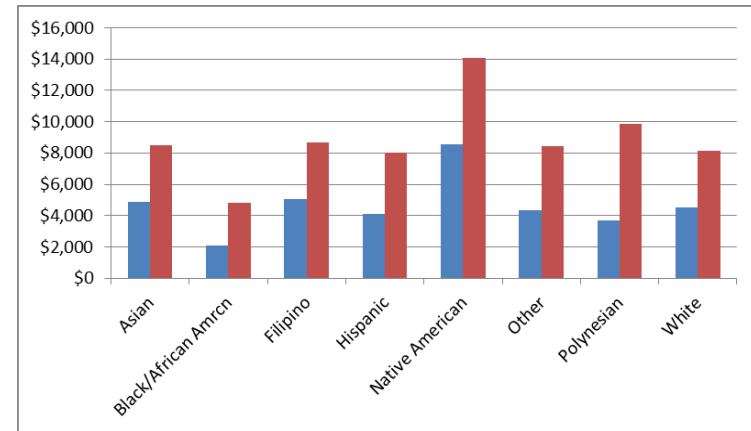
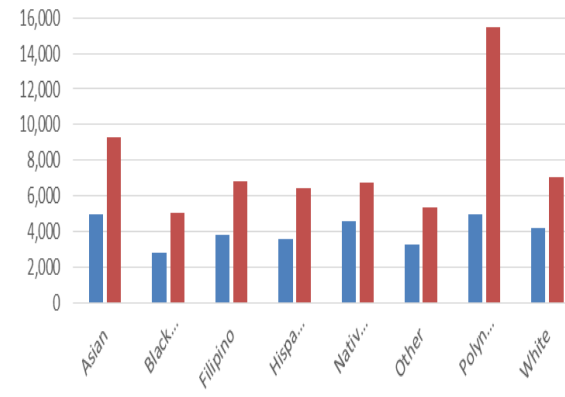


### 2012-2014 Comparisons (2012 left column)

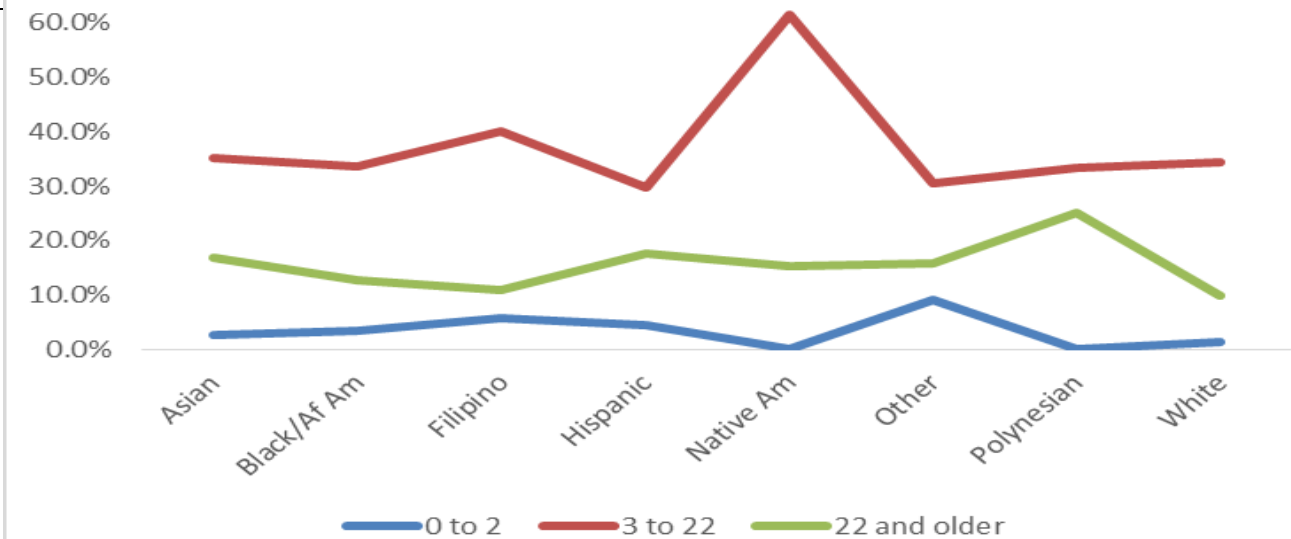
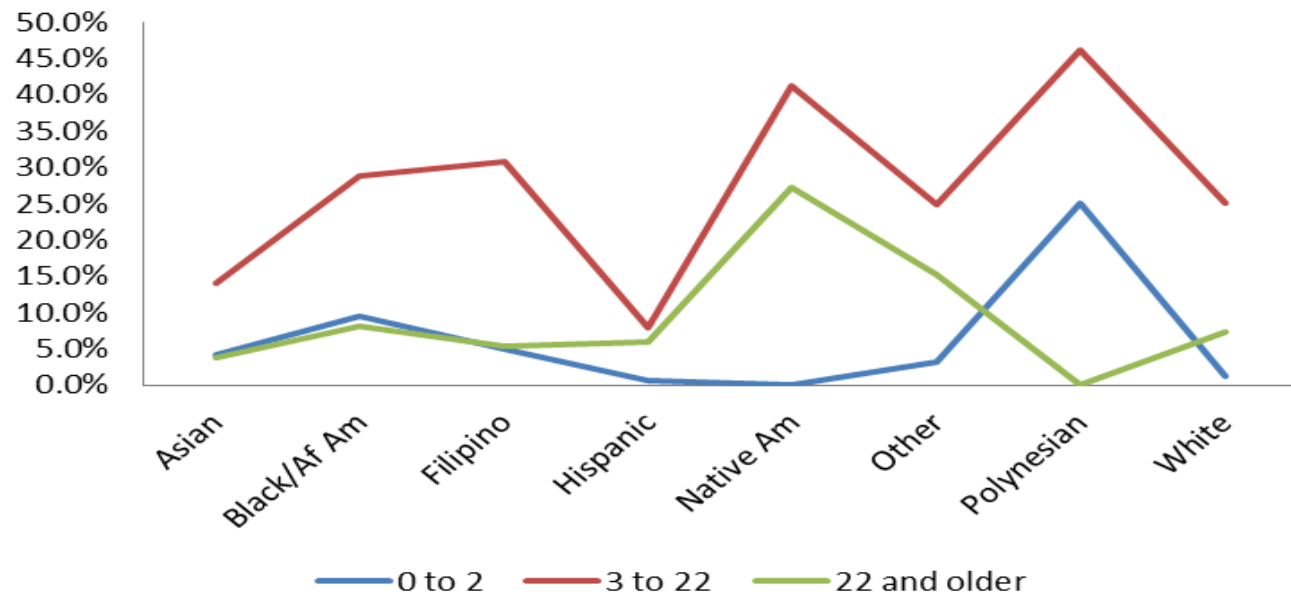
How far have we come?  
Breaking out our 0-3, 3-22 and 22+ demographics we see a 4% increase in the EI Hispanic population from 37% to 41%; a 2% in children's from 27% to 29%, and a 1% in adults from 11% to 12%. For other ethnic groups we also see changes, with a 3% increase in Other and Polynesian in the 3-21 group, and a 3% decrease in White adults.



In terms of Purchase of Service disparities and utilization discrepancies, while we did not break out individual purchases for NBRC's 2012 report, general comparisons show that there has been some reduction in the difference between authorizations and expenditures, especially concerning adult services. For Early Intervention and children's services, general expenditures have increased at about \$2000, but differences between expenditures and authorizations have increased which, as POS data has shown, may be explained by behavioral and respite service discrepancies.



Looking at the differences in ethnic groups with no services being purchased, we see that in 2014 there has been a general 'flattening' of the disparities seen in 2012, albeit we continue to see spikes in the smaller Native American and Polynesian populations. We also see that the Hispanic population tends to have lower percentages individuals not receiving children's services with a higher figure in the adult 2014 data.



<i>For Birth to 2 years, inclusive</i>		\$ 2,012					
2%	Asian	24	\$ 118,255	\$ 223,803	\$ 4,927	\$ 9,325	52.8%
5%	Black/Af Am	64	\$ 178,217	\$ 322,875	\$ 2,785	\$ 5,045	55.2%
1%	Filipino	20	\$ 76,014	\$ 136,481	\$ 3,801	\$ 6,824	55.7%
37%	Hispanic	516	\$ 1,853,828	\$ 3,304,442	\$ 3,593	\$ 6,404	56.1%
0%	Native Am	3	\$ 13,784	\$ 20,176	\$ 4,595	\$ 6,725	68.3%
18%	Other	248	\$ 806,905	\$ 1,326,526	\$ 3,254	\$ 5,349	60.8%
0%	Polynesian	4	\$ 19,762	\$ 61,824	\$ 4,941	\$ 15,456	32.0%
36%	White	502	\$ 2,098,036	\$ 3,535,394	\$ 4,179	\$ 7,043	59.3%
	Totals	1381	\$ 5,164,802	\$ 8,931,521	\$ 32,074	\$ 62,171	55.0%
<i>For 3 years to 21 years, inclusive</i>		\$ 2,012					
2%	Asian	71	\$ 382,119	\$ 508,651	\$ 5,382	\$ 7,164	75.1%
9%	Black/Af Am	350	\$ 2,276,904	\$ 3,257,196	\$ 6,505	\$ 9,306	69.9%
4%	Filipino	133	\$ 535,185	\$ 774,278	\$ 4,024	\$ 5,822	69.1%
27%	Hispanic	1016	\$ 3,978,512	\$ 5,940,180	\$ 3,916	\$ 5,847	67.0%
0%	Native Am	17	\$ 197,434	\$ 257,242	\$ 11,614	\$ 15,132	76.8%
13%	Other	474	\$ 2,218,760	\$ 3,437,955	\$ 4,681	\$ 7,253	64.5%
0%	Polynesian	13	\$ 13,161	\$ 44,978	\$ 1,012	\$ 3,460	29.3%
45%	White	1672	\$ 9,557,741	\$ 13,978,794	\$ 5,716	\$ 8,361	68.4%
	Totals	3746	\$ 19,159,817	\$ 28,199,273	\$ 42,851	\$ 62,344	68.7%
<i>For 22 years and older</i>		\$ 2,012					
2%	Asian	81	\$ 1,934,186	\$ 2,923,149	\$ 23,879	\$ 36,088	66.2%
12%	Black/Af Am	440	\$ 11,000,239	\$ 16,163,436	\$ 25,001	\$ 36,735	68.1%
3%	Filipino	129	\$ 2,292,063	\$ 3,825,290	\$ 17,768	\$ 29,653	59.9%
11%	Hispanic	418	\$ 6,937,700	\$ 11,094,038	\$ 16,597	\$ 26,541	62.5%
0%	Native Am	11	\$ 280,792	\$ 447,310	\$ 25,527	\$ 40,665	62.8%
5%	Other	185	\$ 4,019,171	\$ 5,834,621	\$ 21,725	\$ 31,538	68.9%
0%	Polynesian	7	\$ 136,423	\$ 261,372	\$ 19,489	\$ 37,339	52.2%
67%	White	2528	\$ 69,223,437	\$ 97,254,686	\$ 27,383	\$ 38,471	71.2%
	Totals	3799	\$ 95,824,010	\$ 137,803,900	\$ 177,368	\$ 277,030	64.0%



	0-3 Ethnicity	Consumer Count	Total Expenses	Total Authorized	Per Capita Expenses	Per Capita Authorized	Utilized
3%	Asian	37	\$180,860	\$314,288	\$4,888	\$8,494	57.6%
4%	Black/Afrcn-Am	56	\$116,320	\$269,254	\$2,077	\$4,808	43.2%
1%	Filipino	17	\$85,878	\$147,750	\$5,052	\$8,691	58.1%
41%	Hispanic	568	\$2,340,260	\$4,553,076	\$4,120	\$8,016	51.4%
0%	Native Amercn	2	\$17,128	\$28,136	\$8,564	\$14,068	60.9%
17%	Other	238	\$1,034,280	\$2,001,493	\$4,346	\$8,410	51.7%
0%	Polynesian	1	\$3,718	\$9,845	\$3,718	\$9,845	37.8%
34%	White	467	\$2,118,932	\$3,806,042	\$4,537	\$8,150	55.7%
	Totals	1,386	\$5,897,377	\$11,129,885	\$4,255	\$8,030	53.0%
	3-21 Ethnicity	Consumer Count	Total Expenses	Total Authorized	Per Capita Expenses	Per Capita Authorized	Utilized
2%	Asian	57	\$366,384	\$624,698	\$6,428	\$10,960	58.7%
8%	Black/Afrcn-Am	300	\$1,775,133	\$2,967,413	\$5,917	\$9,891	59.8%
4%	Filipino	127	\$790,358	\$1,226,783	\$6,223	\$9,660	64.4%
29%	Hispanic	1,043	\$3,986,945	\$7,524,658	\$3,823	\$7,214	53.0%
0%	Native Amercn	13	\$43,028	\$45,901	\$3,310	\$3,531	93.7%
16%	Other	591	\$2,852,822	\$4,622,664	\$4,827	\$7,822	61.7%
3%	Polynesian	15	\$64,577	\$131,233	\$4,305	\$8,749	49.2%
41%	White	1,467	\$8,443,909	\$13,772,982	\$5,756	\$9,389	61.3%
	Totals	3,613	\$18,323,156	\$30,916,332	\$5,071	\$8,557	59.3%
	22+ Ethnicity	Consumer Count	Total Expenses	Total Authorized	Per Capita Expenses	Per Capita Authorized	Utilized
2%	Asian	89	\$2,232,233	\$2,338,102	\$25,081	\$26,271	95.5%
12%	Black/Afrcn-Am	482	\$13,230,879	\$14,499,811	\$27,450	\$30,083	91.3%
3%	Filipino	138	\$2,715,920	\$2,904,517	\$19,681	\$21,047	93.5%
12%	Hispanic	490	\$9,533,033	\$10,873,306	\$19,455	\$22,190	87.7%
0%	Native Amercn	13	\$613,526	\$687,991	\$47,194	\$52,922	89.2%
6%	Other	246	\$4,806,757	\$5,295,331	\$19,540	\$21,526	90.8%
0%	Polynesian	8	\$190,030	\$229,159	\$23,754	\$28,645	82.9%
64%	White	2,652	\$77,343,093	\$84,668,296	\$29,164	\$31,926	91.4%
	Totals	4,118	\$110,665,473	\$121,496,512	\$26,874	\$29,504	91.1%