Table A: Variable Coding

	Variable name	cshcn
Children With Special Health Care Needs	Coding	1 = Screened positive for having a special health care need using the CSHCN Screener. Requires answering "yes" to 1 of 5 items and follow up probes. 0 = Screened negative with the CSHCN Screener. Criteria: 1. Need or use of prescription medication 2. Above routine need or use of services 3. Functional limitations 4. Need or use of special therapy 5. Need or use of counseling or treatment for psychosocial issues The screener is based upon the federal Maternal and Child Health Bureau definition of CSHCN: "those who have or are at increased risk for a chronic physical, developmental, behavioral, or emotional condition and who also require health and related services of a type or amount beyond that required by children generally." For full screener and scoring, please see: http://www.cahmi.org/wp-content/uploads/2014/06/CSHCNS-Survey-and-scoring.pdf
	Variable name	HOUSE_GEN
Household Generational Status	Coding	1 = Child and all parents born abroad 2 = Child born in the US and at least 1 parent born abroad; Child born abroad and 1 parent born in the US 3 = Both parents born in US and child born in US or abroad
	Variable name	ind1_9a_11
Number of Currently Diagnosed Chronic Health Conditions	Coding	0 = Parent/guardian reports child is currently diagnosed with none of a list of 18 common chronic conditions 1 = Parent/guardian reports child is currently diagnosed with 1 of 18 common chronic conditions

	1	2 = Parent/guardian reports child is currently
		diagnosed with 2 or more of 18 common
		chronic conditions
		Chronic conditions screened for:
		1. Learning disabilities
		2. ADD/ADHD
		3. Depression
		4. Anxiety problems
		5. ODD or conduct disorder
		6. Autism
		7. Developmental delay
		8. Intellectual disability or mental
		retardation
		9. Cerebral palsy
		10. Speech problems
		11. Tourette syndrome
		12. Asthma
		13. Diabetes
		14. Epilepsy or seizure disorder
		15. Hearing problems
		16. Vision problems not corrected with
		glasses/contact lenses
		17. Bone, join, or muscle problems
		18. Brain injury or concussion
	Variable name	sex_11
Sex of Child	Coding	1 = Male
		2 = Female
	Variable name	age3_11
Age of Child		1 = 0-5 years old
Age of Ciliu	Coding	2 = 6-11 years old
		3 = 12-17 years old
	Variable name	race4_11
		1 = Ethnically Hispanic/Latino, any race
Child's Race/Ethnicity	Coding	2 = White, non-Hispanic/Latino
		3 = Black, non-Hispanic/Latino
		4 = Multi-racial/Other, non-Hispanic/Latino
	Variable name	ind3_1_11
Child's Insurance Status		0 = Child has no health coverage (insurance,
	Coding	prepaid plans, or government plans)
	Coding	1 = Child has health coverage (insurance,
		prepaid plans, or government plan)
	Variable name	planguage
	, and the manne	1 L

Primary Household Language	Coding	1 = English is primary language spoken in respondent's home 2 = Language other than English is primarily spoken in respondent's home
	Variable names	EDUC_MOMR, EDUC_DADR, EDUC_RESR
Highest Education in Child's Household	Coding	Highest educational level attained by an adult guardian (mother, father, or respondent) in the child's household. 1 = Less than high school 2 = High school graduate
		3 = Post-high school education

All variables provided by Data Resource Center and/or Child and Adolescent Health Measurement Initiative.

CSHCN = Children with Special Health Care Needs ADD = Attention Deficit Disorder ADHD = Attention Deficit Hyperactivity Disorder ODD = Oppositional Defiant Disorder

Table B: Crude and Adjusted Odds Ratios for Identification of a Child with Special Health Care Needs using the CSHCN-S

		Sample N = 89, 380 F (14, 89265) = 348.91
	OR (95% CI)	AOR (95% CI)
Constant		$0.06 \; (0.05 - 0.07)$
Household Generational Status		
First	$0.29 (0.19 - 0.44)^{\ddagger\ddagger}$	$0.58 (0.37 - 0.91)^{\ddagger}$
Second	$0.46 (0.41 - 0.51)^{\ddagger\ddagger}$	$0.81 (0.66 - 0.98)^{\ddagger}$
Third	1.00	1.00
Number of Chronic Conditions		
None	1.00	1.00
One	18.86 (16.94 – 20.99)‡‡‡	17.63 (15.80 – 19.67)‡‡‡
Two or more	90.54 (78.14 – 104.91)***	84.76 (72.76 – 98.73)‡‡‡
Sex of child		
Female	1.00	1.00
Male	$1.42 (1.32 - 1.53)^{\ddagger\ddagger}$	1.07 (0.97 – 1.18)
Age of child (years)		
0 - 5	1.00	1.00
6 - 11	$2.33 (2.11 - 2.58)^{\ddagger\ddagger}$	$1.32 (1.17 - 1.49)^{\ddagger\ddagger}$
12 – 17	$2.65 (2.41 - 2.92)^{\ddagger\ddagger}$	$1.32 (1.16 - 1.50)^{\ddagger\ddagger}$
Child's Race/Ethnicity		
White, non-Latino	1.00	1.00
Black, non-Latino	$1.14 (1.02 - 1.26)^{\ddagger}$	$1.00 \ (0.87 - 1.16)$
Multi-racial/Other, non-Latino	$0.78 (0.70 - 0.88)^{\ddagger\ddagger}$	0.96 (0.81 - 1.13)
Latino	$0.63 (0.55 - 0.71)^{\ddagger\ddagger}$	1.05 (0.86 – 1.28)
Child's Insurance Status		
Uninsured	1.00	1.00
Insured	1.90 (1.53 – 2.36) ‡‡‡	1.41 (1.08 – 1.85) ‡
Primary Household Language		
English	1.00	1.00
Spanish or other	$0.35 (0.30 - 0.42)^{\ddagger\ddagger}$	$0.66 (0.49 - 0.88)^{\ddagger\ddagger}$
Highest education in child's		
household	0.60.60.500.70\ ***	0.67.(0.520.04)***
Less than high school	$0.68 (0.58 - 0.79)^{\ddagger\ddagger}$	$0.67 (0.53 - 0.84)^{\ddagger\ddagger}$

High school graduate or GED completed	0.98 (0.89 – 1.08)	$0.80 (0.70 - 0.91)^{\ddagger\ddagger}$
Post-high school education	1.00	1.00

[‡] p < 0.05 ‡‡ p < 0.01 ‡‡‡ p < 0.001

CSHCN-S = Children with Special Health Care Needs Screener COR = Crude Odds Ratio AOR = Adjusted Odds Ratio CI = Confidence Interval

Table C. Crude and Adjusted* Odds Ratios for Identification of a Child with Special Health Care Needs by CSHCN-S Criteria and Household Generational Status (n = 89, 380)

Need or Use of a Prescription Medication				
	COR (95% CI)	AOR (95% CI)		
1st Generation	$0.12 (0.09 - 0.18)^{\ddagger\ddagger}$	$0.27 (0.17 - 0.45)^{\ddagger\ddagger}$		
2 nd Generation	$0.42 (0.37 - 0.48)^{\ddagger\ddagger\ddagger}$	$0.81(0.55-1.00)^{\ddagger}$		
3 rd Generation	1.00	1.00		
Above Routine Use o	fServices			
	COR (95% CI)	AOR (95% CI)		
1st Generation	$0.25 (0.11 - 0.54)^{\ddagger\ddagger}$	0.66 (0.32 - 1.36)		
2 nd Generation	$0.47 (0.39 - 0.55)^{\ddagger\ddagger}$	0.99 (0.76 - 1.29)		
3 rd Generation	1.00	1.00		
Functional Limitation	1			
	COR (95% CI)	AOR (95% CI)		
1st Generation	0.38 (0.15 – 1.06)	1.14 (0.44 – 2.96)		
2 nd Generation	$0.58 (0.45 - 0.74)^{\ddagger\ddagger}$	1.17 (0.86 - 1.58)		
3 rd Generation	1.00	1.00		
Need or Use of Speci	al Therapy			
	COR (95% CI)	AOR (95% CI)		
1st Generation	0.59 (0.24 – 1.46)	1.68 (0.77 – 3.65)		
2 nd Generation	$0.61 (0.49 - 0.76)^{\ddagger\ddagger}$	1.09 (0.82 - 1.44)		
3 rd Generation	1.00	1.00		
Need or Use of Couns	seling or Treatment for Psychosocia	al Issues		
	COR (95% CI)	AOR (95% CI)		
1st Generation	0.59 (0.32 – 1.10)	1.66 (0.83 – 3.30)		
2 nd Generation	$0.44 (0.37 - 0.54)^{\ddagger}$	0.87 (0.67 - 1.15)		
3 rd Generation	1.00	1.00		

^{*}Adjusted for child's number of currently diagnosed chronic conditions, sex, age, race/ethnicity, and insurance status and household language and educational attainment.

 $[\]label{eq:problem} \ensuremath{^\ddagger} p < 0.05 \quad \ensuremath{^{\ddagger\ddagger}} p < 0.01 \quad \ensuremath{^{\ddagger\ddagger\ddagger}} p < 0.001$

 $CSHCN-S = Children \ with Special Health Care Needs Screener \ COR = Crude Odds Ratio AOR = Adjusted Odds Ratio$

Table D. Prevalence of 18 Common Chronic Conditions among Children from $1^{\,st}, 2^{nd},$ and 3^{rd} Generation Households a

	1 st generation	2 nd generation	3 rd generation
Learning Disability (age 3-17)	4.4 (2.6 – 7.5)	4.9 (4.2 – 5.8)	8.9 (8.4 – 9.4)
ADD/ADHD (age 2-17)	1.8 (0.6 – 5.6)	3.1 (2.6 – 3.7)	9.4 (8.9 – 10.0)
Depression (age 2-17)	2.3 (0.9 – 6.0)	0.7 (0.5 – 1.1)	2.4 (2.2 – 2.7)
Anxiety Problems (age 2-17)	1.1 (0.4 – 2.8)	1.5 (1.2 – 1.9)	4.0 (3.7 – 4.3)
ODD or Conduct Disorder (age 2-17)	1.9 (0.6 – 5.5)	1.5 (1.0 – 2.0)	3.6 (3.2 – 3.9)
Autism (age 2-17)	1.9 (0.6 – 6.2)	1.1 (0.8 – 1.4)	2.1 (1.8 – 2.3)
Developmental Delay (age 2-17)	0.5 (0.2 – 1.2)	2.2 (1.8 – 2.8)	4.1 (3.7 – 4.4)
Intellectual Disability or Mental Retardation (age 2-17)	0.7 (0.1 – 3.6)	0.8 (0.5 – 1.2)	1.1 (0.9 – 1.3)
Cerebral Palsy (age 2-17)	0.0 (0.0 – 0.2)	0.2 (0.0 – 0.3)	0.2 (0.2 – 0.3)
Speech Problems (age 2-17)	2.8 (1.2 – 6.4)	4.0 (3.3 – 4.8)	5.1 (4.8 – 5.5)
Tourette Syndrome (age 0-17)	0.0 (0.0 - 0.0)	0.1 (0.0 – 0.2)	0.2 (0.1 – 0.2)
Asthma (age 0-17)	2.5 (1.6 – 3.9)	5.5 (4.8 – 6.4)	9.8 (9.3 – 10.3)
Diabetes (age 0-17)	0.3 (0.0 – 0.9)	0.1 (0.0 – 0.3)	0.4 (0.3 – 0.5)

Epilepsy or Seizure Disorder (age 0-17)	0.0 (0.0 – 0.0)	0.4 (0.2 – 0.7)	0.7 (0.6 – 0.9)
Hearing Problems (age 0-17)	1.0 (0.3 – 3.3)	0.5 (0.4 – 0.8)	1.5 (1.3 – 1.7)
Vision Problems Not Corrected by Glasses/Contacts (age 0-17)	1.0 (0.5 – 2.0)	1.4 (1.0 – 2.0)	1.3 (1.1 – 1.4)
Bone, Joint, or Muscle Problems (age 0-17)	1.1 (0.5 – 2.2)	1.7 (1.2 – 2.3)	2.5 (2.2 – 2.7)
Brain Injury or Concussion (age 0-17)	0.0 (0.0 – 0.0)	0.2 (0.1 – 0.3)	0.3 (0.2 – 0.4)

^aWeighted percentiles and 95% confidence intervals are shown for each cell.

ADD = Attention Deficit Disorder ADHD = Attention Deficit Hyperactivity Disorder ODD = Oppositional Defiant Disorder

 $\label{eq:condition} Table~E.~Prevalence~of~18~Common~Chronic~Conditions~among~Children~with~at~least~1~Diagnosed~Chronic~Condition~from~1^{st},~2^{nd},~and~3^{rd}~Generation~Households^a$

	1 st generation	2 nd generation	3 rd generation
Learning Disability (age 3-17)	38.1 (24.6 – 53.7)	27.3 (23.5 – 31.5)	30.0 (28.5 – 31.5)
ADD/ADHD (age 2-17)	16.1 (5.7 – 38.4)	17.9 (14.9 – 21.4)	32.7 (31.2 – 34.3)
Depression (age 2-17)	20.0 (8.3 – 40.9)	4.2 (2.8 – 6.4)	8.4 (7.5 – 9.4)
Anxiety Problems (age 2-17)	9.5 (3.8 – 21.9)	8.4 (6.6 – 10.7)	13.7 (12.7 – 14.8)
ODD or Conduct Disorder (age 2-17)	16.3 (5.9 – 37.7)	8.5 (6.1 – 11.6)	12.3 (11.3 – 13.5)
Autism (age 2-17)	16.3 (5.2 – 40.7)	6.4 (4.9 – 8.4)	7.2 (6.4 – 8.0)
Developmental Delay (age 2-17)	4.4 (1.9 – 10.1)	13.0 (10.4 – 16.2)	14.0 (13.0 – 15.2)
Intellectual Disability or Mental Retardation (age 2-17)	6.0 (1.1 – 25.8)	4.5 (2.9 – 6.9)	3.9 (3.3 – 4.5)
Cerebral Palsy (age 2-17)	0.5 (0.1 – 1.9)	1.0 (0.5 – 1.8)	0.8 (0.6 – 1.0)
Speech Problems (age 2-17)	24.0 (11.5 – 43.6)	23.1 (19.3 – 27.3)	17.7 (16.5 – 18.9)
Tourette Syndrome (age 0-17)	0.2 (0.0 – 0.7)	0.6 (0.3 – 1.2)	0.6 (0.5 – 0.8)
Asthma (age 0-17)	21.5 (13.6 – 32.4)	36.3 (32.0 – 40.9)	37.2 (35.7 – 38.7)
Diabetes (age 0-17)	2.0 (0.5 – 7.9)	0.9 (0.5 – 1.7)	1.4 (1.0 – 1.7)

Epilepsy or Seizure Disorder (age 0-17)	0.2 (0.0 – 0.7)	2.4 (1.3 – 4.5)	2.9 (2.4 – 3.4)
Hearing Problems (age 0-17)	8.3 (2.4 – 24.9)	3.5 (2.5 – 5.0)	5.5 (4.9 – 6.3)
Vision Problems Not Corrected by Glasses/Contacts (age 0-17)	8.9 (4.3 – 17.4)	9.2 (6.6 – 12.6)	4.8 (4.2 – 5.5)
Bone, Joint, or Muscle Problems (age 0-17)	9.3 (4.4 – 18.4)	11.2 (8.2 – 15.0)	9.3 (8.5 – 10.2)
Brain Injury or Concussion (age 0-17)	0.2 (0.0 – 0.6)	1.2 (0.7 – 2.0)	1.1 (0.9 – 1.4)

^aWeighted percentiles and 95% confidence intervals are shown for each cell.

ADD = Attention Deficit Disorder ADHD = Attention Deficit Hyperactivity Disorder ODD = Oppositional Defiant Disorder