## **Children's Health Alliance**

Note: the table below is part of the (Cincinnati Children's) Children With Special Health Care Needs Identification Project (155 pediatricians/38 practices) which found that 30% of patients have at least one chronic condition when doing just (hospital and practice-based) data claims runs. Thinking this was an over-estimation of those needing focused care management, they reviewed the patients and refined the list based on 15 factors (such as multiple chronic conditions or one chronic condition that was not well-controlled). This resulted in an average of 15% of patient panel identified as needing care management. They divided list into two categories – always included and conditional, meaning only conditional patients needed chart reviews.

Status	Diagnosis	Codes							Comments
Include	HIV	042.00	079.53						
Include	CARCINOMA	140.00	thru	216.20		217.00	thru	239.90	08.31.09: Change 228.00 (Hemangioma NOS) to Conditional Change 228.01 (Skin/subcu- Hemangioma) to Exclude Change 216.10 (Benign eyelid neoplasm) to Conditional 12.21.09 216.30 - 216.90 (benign neoplasm) deleted
Include	NEUROFIBROMATOSIS	237.70	237.71	237.72					
Conditional	HYPERTHYROIDISM	242.90	242.91		775.30				
Conditional	HYPOTHYROIDISM	243.00	244.00	244.10	244.20	244.30	244.80	244.90	
Include	DIABETES	250.00	thru	250.93					

Include	SCHWACKMAN DIAMOND (SDS)	251.90							
Include	CHRONIC ENDOCRINE	253.00	thru	253.90		255.00	thru	255.90	
Include	PANHYPOPITUITARISM	253.20							
Include	ADRENAL INSUFFICIENCY	255.41							
Conditional	Sexual Precocity	259.10							09.01.09 259.10 Added to conditional.
Include	RICKETS	268.00	268.10	268.20	268.90				
Include	PKU	270.10							
Include	CYSTIC FIBROSIS	277.00	277.01	277.02	277.03	277.09			
Include	HUNTER/HURLERS	277.50							
Conditional	OBESITY	278.00		278.02					
Include	OBESITY		278.01						<b>04.27.10:</b> Change from Conditional to Auto Include
Include	IMMUNODEFICIENCY DISORDERS	279.00	thru	279.90					
Include	SICKLE CELL DISEASE	282.60	282.61	282.62	282.63	282.64	282.68	282.69	
Include	HEMOPHILIA	286.0	286.1	286.2	286.3	286.4	286.5	286.6	
Include	VON WILLEBRAND DISEASE	286.40							
							_		
Include	PSYCHOSIS	295.00	thru	296.16		296.40	thru	298.90	
Include	BIPOLAR DISORDER	296.00	thru	296.16		296.40	thru	296.99	

Conditional	DEPRESSION (ACUTE)	296.20	296.21	296.22	296.23	296.24	296.25	296.26	
Conditional	DEPRESSION (RECURRENT)	296.30	296.31	296.32	296.33	296.34	296.35	296.36	
Include	AUTISM	299.00	299.10	299.80					
Include	ASPERGERS	299.80							
Conditional	MENTAL DISORDERS	300.00	thru	307.00		307.20	thru	316.00	*307.10 (Anorexia nervosa) is auto include. Rest of range is conditional.
Conditional	PANIC DISORDER	300.01	300.21						
Conditional	ANXIETY DISORDER	300.00	thru	300.90					
Conditional	OBSESSIVE COMPULSIVE DISORDER	300.30	300.40						
Include	ANOREXIA NERVOSA	307.10							
Conditional	TIC	307.20	307.21	307.22	307.23		333.30		
Conditional	TOURETTE DISEASE	307.23							
Conditional	ADD	314.00	314.01	314.1	314.20	314.80	314.90		
Conditional	ADHD	314.01							
Conditional	SPECIFIC LEARNING DISABILITY / LEARNING DIFFICULTIES	315.00	315.01	315.02	315.09	315.10	315.20	315.31	
Conditional	DYSLEXIA	315.02		784.61					
Conditional	SPEECH/LANGUAGE DISORDER	315.31							
Conditional	EXPRESSIVE SPEECH DELAY	315.31							
Conditional	MENTAL RETARDATION	317.00	318.00		319.00				
Include	MENTAL RETARDATION	318.10	318.20						

	ORGANIC SLEEP APNEA	327.23							<b>02.16.10</b> : 327.23 (Obstructive Sleep Apnea) Added to Conditional
Include	LEUKODYSTROPHY	330.00							
Include	CEREBREAL LIPIDOSIS (TAY SACHS)	330.10							07.01.10 Added as auto include
Include	DRAVET'S SYNDROME	333.20							
Include	WERDNIG-HOFFMAN	335.00							
Conditional	CHRONIC HEADACHE	339.02	339.03	339.12	339.22	339.41	339.42		
Conditional	CEREBRAL PALSY	343.00	343.10	343.20	343.30	343.40	343.80	343.90	
Include	EPILEPSY (GENERAL.NON- CONCLUSIVE)	345.00	thru	345.91					
Conditional	CHRONIC HEADACHE -	346.70	346.71	346.72	346.73				
Conditional		0.00	0 1011 1						
Include	MIGRAINE Other Conditions of Brain	348.40	0.00.1						12.17.09 348.40 Added to Auto Include (Compression of brain, compression brain (stem), Herniation brain (stem), Posterior fossa compression syndrome. To address Practice identification of chiari malformation type or
Include	MIGRAINE								Auto Include (Compression of brain, compression brain (stem), Herniation brain (stem), Posterior fossa compression syndrome. To address Practice identification of

Include	Coats' Syndrome	362.12							<b>02.11.10</b> 362.12 Added to Auto Include (Coats' Syndrome-Exudative Retinopathy)
Include	PIGMENTARY RETINAL DYSTROPHY	362.74							07.06.10 Added as alato include
Include	VISION LOSS (SEVERE)	369.00	thru	369.90					
Conditional	NYSTAGMUS	379.50	379.51	379.52	379.53	379.54	379.55	379.56	
Include	HEARING LOSS (SEVERE)	389.10	thru	389.70					<b>06.19.09</b> : 389.8 and 389.9 (Hearing loss codes) Excluded.
Include	CHRONIC CARDIAC DISORDER								
Include	ANEURYSM	441.00	thru	441.90					
Conditional	ALLERGIES	477.00	477.10	477.20	477.80	477.90*	995.3*		12.21.09: Delete IF this is the only DX for the patient.
Conditional	ASTHMA	493.00	thru	493.92					<b>04.27.10:</b> Identification through asthma registry.
Include	CHRONIC RESPIRATORY DISORDER	518.89	519.90						
Include	EOSINOPHILIC ESOPHAGITIS	530.10							08.26.10 Added to list as Auto Include
lo al di	ODOLINIO DIOEACE	FFF 00	555.40	FFF 00	555.00				
Include	CROHN'S DISEASE	555.00	555.10	555.20	555.90				

Include	ULCERATIVE COLITIS	556.00	556.10	556.20	556.30	556.40	556.50	556.60	
Include	CHRONIC LIVER DISORDER	571.40	thru	573.90					
Include	CELIAC DISEASE	579.00							
Include	CHRONIC RENAL DISORDER	581.00	thru	587.00					
Include	RENAL INSUFFICIENTY	585.90							
Conditional	VESICO-URETERAL REFLUX	593.70	593.71	593.72	593.73				
Conditional	DERMATITISAND ECZEMA	692.00	692.90						<b>04.27.10:</b> Add as Conditional. (Exclude if this is their only DX)
Include	LUPUS/SLE	710.00							
Include	DERMATOMYOSITIS	710.30							07.06.10: Added as Auto Include
Include	JUVENILE RHEUMATOID ARTHRITIS	714.30	714.31	714.32	714.33				
Conditional	MYALGIA AND MYOSITIS, UNSECIFIED	729.10							04.27.10: Added as Conditional
Conditional	SCOLIOSIS (ACQUIRED POSTURAL)	737.00	thru	737.90					

Include	CONGENITAL ANOMALIES	740.00	thru	743.39	743.41	thru	759.90	Check with Keith to take out the C.A.s that may need to be conditional. & PDA 08.18.09:Exclude 752.51 (undestended testis) & 752.52 (retractile testis) - 08.31.09: Change 750.10 (Tongue anomaly NOS) to Conditional Change 750.00 (Tongue tied) to Exclude - Change 754.81 (Pectus excavatum) to Conditional Change 745.40 (VSD) to Conditional
								Change 752.69 (Penile anomalies NEC )to Conditional.(Now, exclude on 04.27.2010)- Change 755.63 (Congenical hip deformity NEC) to Conditional - Change 755.60 (Lower limb anomaly NOS) to Conditional - Change 754.30 (Cong hip dislocunilat) to Conditional - Change 752.61 (Hypospadias) to Conditional -

									12.21.09: 743.65 (other anomolies of the lacrimal duct) & 754.61 (pes planus) deleted 04.27.2010:752.42, (Imperfprate hymen) Excluded. 754.10 (torticollis) Excluded. 743.62: (Congenital Eyelid anomoly) Change from Auto to Conditional)
include	SPINA BIFIDA	741.00	741.01	741.02	741.03	741.90	741.91	741.92	
Conditional	COLOBOMA	743.40							
include	SEPTO-OPTIC DYSPLASIA	743.90							
include	TETRALOGY OF FALLOT	745.2							
include	HYPOLASTIC LEFT HEART	746.70							
include	CHD- CONGENITAL	746.90							
include	AORTIC ATRESIA/STENOSIS	747.22							
Include	CLEFT PALATE	749.00	thru	749.25					
Include	SCOLIOSIS (CONGENITAL)	754.20							
Include	LARSEN SYNDROME	755.80							

Conditional	GOLDENHAR(*Auto Include. See comments)	756.00					08.31.09 Code 756.00 changed to conditional due to a varity of other conditions that don't warrant Auto Include - See above in Congenital Anomalies
Include	EHLER-DANLOS	756.83					
Include	DOWNS SYNDROME	758.00					
Include	VCF SYNDROME	758.32					
Include	TURNER SYNDROME	758.60					
Include	WILLIAMS SYNDROME	758.90					
Include	MARFAN'S SYNDROME	759.82					
Include	FRAGILE X	759.83					
Include	CORNELIA DE LANGE SYNDROME	759.89					
Include	BECKWITH- WIEDEMANN	759.89					
Include	CHARGE SYNDROME	759.90					
Include	FETAL ALCOHOL SYNDROME	760.71					
Conditional	PREMATURITY	765.00	thru	765.29			
Conditional	BRONCHOPULMON DYSPLASIA	770.70					
On a different	05171105	700.00					
Conditional	SEIZURE	780.39					
Conditional	ABNORMAL WEIGHT GAIN	783.10					<b>04.27.10:</b> (Abnormal weight gain) Added as conditional
Conditional	DEVELOPMENTAL DELAY	783.40	783.42				

Conditional	GROSS MOTOR DELAY	783.40	783.42						
Conditional	FAILURE TO THRIVE	783.41							
			_						
Include	TRAUMATIC BRAIN INJURY-CONCUSSION	850.11	thru	854.50		851.00	thru	854.19	<b>04.27.10:</b> 85000 excluded (Concussion without loss of consciousness).
Conditional	TRAUMATIC BRAIN	850.99							<b>04.27.10</b> : 85090
	INJURY- CONCUSSION								(Concussion NOS) change
									from Auto to Conditional).
Conditional	LEAD POISONING	984.00	984.10	984.80	984.90				
Conditional	CHILD ABUSE	995.50	995.51	995.52	995.53	995.54	995.55	995.59	
Conditional	SEXUAL ABUSE	995.53							Hydrocephalis 331.3, 33.4,

## Deaths Attributed to Pediatric Complex Chronic Conditions

Note: This list represents a modification of one used previously in a retrospective longitudinal study of mortality patterns in Washington State, which, in turn, had been based, in part, on studies of hospitalization patterns of children with costly illnesses and with congenital defects. The authors modified the list by including epilepsy and by expanding the range of ICD-9 codes for the subcategories of mental retardation, central nervous system degeneration and disease, and malignancy. Feudner, et al, http://pediatrics.aappublications.org/content/107/6/399.full.html

Diagnosis	Code
Human immunodeficiency virus	42
Malignancy	140-0-239.9
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Center for Infants and Children with Special Needs Care Coordination Toolkit (appendix 1, pg. 24) Cincinnati Children's Hospital Medical Center, 2004

http://www.medicalhomeinfo.org/downloads/pdfs/ /CareCoordinationToolkit06.pdf

Note: These codes were contributed by the providers who participated in Carl Cooley's 2001 learning collaborative, *Buliding a Medical Home:* Improvement Strategies in Primary Care for Children

Code
42.00
140-239
242.90
250.00

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Bone and joint anomalies	259.4
-	
Amino acid metabolism	270.0-270-9
Carbohydrate metabolism	271.0-271.9
Lipid metabolism	272.0-272.9
Other metabolic disorders	275.0 - 275.3
Cystic fibrosis	277
Other metabolic disorders	277.2, 277.4, 277.6,
	277.8 and 277.9
Storage disorders	277.3 and 277.5
Hereditary immunodeficiency	279.0-279.9
ricreditary infinitional chemical	213.0 213.3
Hereditary Anemias	282.0-282.4
Sickle cell disease	282.5-282.6
Lloro ditore, imperiore deficiento	200 4 200 0
Hereditary immunodeficiency	288.1-288.2

PKU	270.10
Cystic Fibrosis	277.00
Obesity	278.00
Immunodeficiency Disorders	279.30
Sickle Cell Disease	282.60
Hemophilia	286.00
Bipolar Disorder	296.80

Mental Retardation	318.0- 319.0

Depression (Acute)	296.20
Depression (Recurrent)	296.30
Autism	299.00
Panic Disorder	300.01
Anxiety Disorder	300.00
Obsessive Compulsive Disorder `	300.30
Mental Disorders	300.90
Encorpresis (Non-Org. Origin)	307.70
Tourette Disease	307.20
Depression	311.00
ADD	314.00
ADHD	314.01
Developmental	315.02
Learning Difficulties	315.20
Speech/Lang Disorder	315.31
Expressive Speech Delay	315.39
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Central nervous system degeneration	330.0-337.9
and disease	
Infantila Constant Date	242.0.242.2
Infantile Cerebral Palsy	343.0-343.9
Epilepsy	345.0-345.9
Muscular dystropies and myopathies	359.0-359.3

TIC	333.30
Wernig-Hoffman	335.00
-	
Cerebral Palsy	343.90
Epilepsy (General non-Conclusive)	345.00
Epileptic Convulsions	345.10-345.91
Epilepsy (General non-Conclusive)	345.90
Epilepsy (General non-Conclusive)  Muscular Dystrophy	345.90

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Cardiomyopathies	425.0-425.4
Conduction disorders and	426.0 - 427.4, 427.6
dysrhythmias	- 427.9
Cardiomyopathies	429.1
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Hereditary immunodeficiency	446.1
Diaphragm and abdominal wall	553.3
Inflammatory bowel disease	555.0-556.9
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Vision Loss (Severe)	369.90
Strabismus	378.90
Nystagmus	379.50
Chronic Serious Otitis Media	381.10
Hearing Loss (Severe)	389.00
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Allergic Rhinitis	477.90
Asthma	493.90
Chronic Respiratory Disorder	519.90
Gastroesophageal Reflux	530.10
Chrohns Disease	555.90

Chronic liver disease and chirrosis	571.4-571.9
Chronic renal failure	585
Bone and joint disorders	737.3

Constipation	564.00
Chronic Liver Disorder	571.90
Chronic Renal Disorder	582.90
LITI	500.00
UTI	599.00
Eczema	692.90
Acne	706.10
Juvenile Rheumatoid Arthritis	714.30
Scoliosis (Acquired Postural)	737.30
Juvenile Rheumatoid Arthritis	714.30

Brain and spinal cord malformations	740-0-742.9	Congenital Anomolies	740-759
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Heart and great vessel malformations	745.0-747.4
Theart and great vesser maillormations	743.0-747.4
Respiratory malformations	748.0-748.9
Congenital anomalies	750.3
Congenital anomalies	751.1-751.3
Congenital anomalies	751.6 - 751.9
Congenital anomalies	753.0-753.9

Coloboma	743.49
Conginital Dacryostenosis	743.65
Scoliosis (Congenital)	754.20

Bone and joint anomolies	756.0 - 756.5
Diaphragm and abdominal wall	756.6 - 756.7
Chromosomal anomalies	758.0 - 758.9
Other congenital anomalies	759.7 - 759.9
Chronic respiratory disease	770.7

Fetal Alcohol Syndrome 760.71
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Prematurity 765.10
Bronchopulmon Dysplasia 770.70
Cardio Neurogenic Syncope 780.20
Febrile Seizure 780.31
Seizure NOS 780.39
Developmental Delay 783.40


Gross Motor Delay	783.40
Failure to Thrive	783.40
Dyslexia	784.61
Encorpresis	787.60
Fragile X	789.83
Fracture	800-829
Traumatic Brain Injury	850-854
Head Trauma	959.01
Lead Poisoning	984.90
Bee Sting Allergy	989.50
Allergies	995.30
Child Abuse	995.50
Sexual Abuse	995.53

## Adoption and Foster Care Analysis and Coding System: AFC

www.acf.hhs.gov/programs/cb/systems/specneeds.htm AFCARS Disability/Special Needs Table (AFCARS does not utilize ICD-9. Like diagnoses are identified here with an "X") Note: this table lists several medical/emotional conditions that may be mapped to AFCARS data elements for foster care and adoption. It is not an exhaustive list of all conditions that states may use for reporting.

Diagnosis	Code		
X			
Late Effects of Tuberculosis	137		
X			
X			

## New Codes as noted in *Coding for*Pediatrics, 16th Edition American Academy of Pediatrics

Note: The International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) for 2011 identifies more than 150 new codes, revisions and deletions effective October, 2011. Below are some codes from 780 - 799 (Symptoms, Signs, and Other Ill-Defined Conditions). Note: The International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) for 2011 identifies more than 150 new codes, revisions and deletions effective October, 2011. Below are some codes from 780 - 799 (Symptoms, Signs, and Other Ill-Defined Conditions). www.cms.hhs.gov/ICD9ProviderDiagnosticCo

Diagnosis	Code

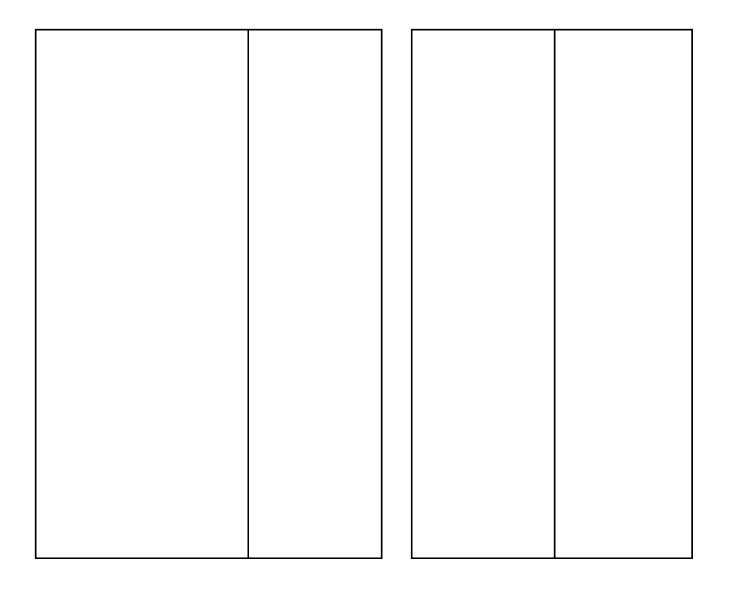
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Visual Disturbances	368
Blindness and Low Vision	369
Dillidiless and Low vision	309
Hearing Loss	389
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		Post Traumatic	780.33
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AFCARS also includes:			
Arcans also includes:			

ATTENTION OR	799.51
CONCENTRATION	
DEFICIT	
COGNITIVE	799.52
COMMUNICATION	
DEFICIT	
VISUOSPATIAL	799.53
DEFICIT	
PSYCHOMOTOR	799.54
DEFICIT	
FRONTAL LOBE AND	799.55
EXECUTIVE	
FUNCTION DEFICIT	
OTHER SIGNS AND	*799.59
SYMPTOMS	
INVOLVING	
COGNITION	

Borderline Intellectual functioning Hydrocephalus Microcephaly Cataracts Congenital anomaly of the eye Glaucoma Diabetic Retinopathy Arthritis Osteogenesis Imperfuctus Club Foot Diplegia Multiple Sclerosis Myasthenia Gravis Paralysis (para-quad-di) Poliomyelitis Adjustment Disorders Conduct Disorder Oppositional Defiant Disorder Agoraphobia Phobias PTSD Separation Anxiety Disorder Bulimia Impulse control Disorder Cyclothymic Disorder Dysthymic Disorder Personality Disorders (9) Reactive Attachment Disorder Psychotic Disorders (5) Somatoform Disorder Aplatic Anemia AIDS Blood disorder that requires

hospitalization once a month

Childhood Disintegrative Disorder (PDD) Chronic Granulomatous Disease Coagulation Defects Congenital cystic lung Congenital heart anomaly Cushings snydrome Encephalopathy Fetal drug addiction Heart murmer, vigorous activity curtailed Heart disease Hemophilia Hypertension Other Human T-Cell Lymphotropic Viros-III Kidney Disease Leukemia Liver disease Lupus Misplaced Facial feature Organic Brain Syndrome Pancreatic Disease PDD-NOS Rett Disorder Sarcomas

Shaken Infant Syndrome Nutritional deficiency