

**Supplementary Material****Table A1.** Additional characteristics of Adult Medicaid-only Beneficiaries Who Initiated Long-term Services and Supports: California, 2006-2007

Variables	HCBS <sup>a</sup> n=26,031 (81.7)	Nursing Facility <sup>b</sup> n=5,818 (19.3)	Total n=31,849
Central nervous system conditions,n (%)			
Dementia	83 (0.3)	99 (1.7)	182 (0.6)
Movement Disorder	570 (2.2)	296 (5.1)	855 (2.7)
Other CNS	1,947 (7.5)	841 (14.5)	2788 (8.8)
Psychological conditions,n(%)			
Mood disorder	1,915 (7.4)	669 (11.5)	2,584 (8.1)
Schizophrenia/Psychosis	656 (2.5)	428 (7.4)	1,084 (3.4)
Personality disorder	202 (0.8)	126 (2.2)	328 (1.0)
Other psychological disorder	278 (1.1)	109 (1.9)	387 (1.2)
Substance use disorders,n(%)			
Alcohol	1,580 (6.1)	801 (13.8)	2,381 (7.5)
Other drug	1,552 (6.0)	572 (9.8)	2,124 (6.7)

<sup>a</sup>HCBS: Home and Community-Based Services.

<sup>b</sup>p-values <.0001 for all HCBS versus Nursing Facility recipient comparisons.

**Table A2.** Additional Chronic Condition Factors Associated with Extended Nursing Facility Entry Versus Home- and Community-Based Services Among Medicaid-Only Adult Beneficiaries: California, 2006-2007

Independent Variables	Total Entrants	
	Odds Ratio	95% CI
Age (age <45 reference)		
45-54	1.30***	(1.18-1.43)
55-64	1.65***	(1.50-1.81)
65 or more	0.72***	(0.63-0.82)
Female (y/n)	0.62***	(0.58-0.66)
Race/Ethnicity		
Hispanic	0.77***	(0.71-0.85)
Black	0.81***	(0.75-0.88)
Asian	0.60***	(0.54-0.68)
Other	1.34***	(1.19-1.51)
3 or more ADL limitations <sup>a</sup>	3.87***	(3.63-4.14)
Cognitive limitations <sup>b</sup>	1.56***	(1.46-1.66)
CDPS <sup>c</sup>	1.00	(0.98-1.03)
Central nervous system conditions		
Dementia	2.47***	(1.79-3.41)
Movement disorder	1.39***	(1.17-1.64)
Other CNS disorder	1.31***	(1.18-1.46)
Psychological condition		
Mood disorder	1.12	(1.00-1.26)
Schizophrenia/Psychosis	2.53***	(2.18-2.94)
Personality disorder	1.63***	(1.24-2.13)
Other psychological disorder	1.09	(0.84-1.41)
Substance abuse disorders		
Alcohol use disorder	1.49***	(1.33-1.66)
Other drug use disorder	1.08	(0.95-1.23)
Living alone	1.40***	(1.30-1.51)
Homeless	4.16***	(3.54-4.88)
Medically Needy	2.60***	(2.41-2.81)

*p* \*\*\* <.001 \*\* <.01

<sup>a</sup>Limitations in activities of daily living (bathing, dressing, toileting, transferring, eating

<sup>b</sup>Limitation in Memory, Orientation, or Judgment requiring assistance, supervision or cueing.

<sup>c</sup>Chronic Illness and Disability Payment System tool consolidates diagnostic codes into 58 categories and assigns each a score that represents the incremental, prospective expenditure risk associated with that category. Higher scores reflect greater morbidity.

**Tables A3-A5.** Chronic Illness and Disability Payment System diagnoses used to identify central nervous system, psychological, and substance abuse disorders among Medicaid-only beneficiaries receiving long-term services and supports.

### **A3. Central Nervous System Disorders**

<b>Major Category</b>	<b>Conditions</b>
<b>Movement and paralytic disorders</b>	Leukodystrophy
	Cerebral lipidoses
	Cerebral degeneration in lipidosis
	Primary lateral sclerosis
	Motor neuron disease
	Corticobasal degeneration
	Cerebral degeneration NEC
	Spinal muscular atrophy
	Combined degenerative cord in other disease
	Cerebellar ataxia
	Friedreich's ataxia
	Primary cerebellar degenerans
	Amyotrophic lateral sclerosis
	Progressive bulbar palsy
	Pseudobulbar palsy
	Progressive muscular atrophy
	Anterior horn cell disease
	Kugelberg-Welander disease
	Werdnig-Hoffmann disease
	Spinal cord disease NOS
	Spinocerebellar disease NEC/NOS
	Parkinson's disease
	Secondary parkinsonism
	Neuroleptic malignant syndrome
	Paralysis agitans
	Other degenerative diseases of the basal ganglia
	Extrapyramidal disorders
	Unspecified extrapyramidal disease and abnormal movement disorder
	Acquired torsion dystonia NEC
	Blepharospasm
	Spasmodic torticollis
	Fragmented torsion dystonia NEC
	Orofacial dyskinesia
	Acute dystonia due to drugs
	Subacute dyskinesia due to drug
	Stiff-man syndrome
	Benign shuddering attacks
	Restless legs syndrome
	Organic writers' cramp
	Multiple sclerosis
	CNS demyelination
	Neuromyelitis optica
	Myelopathy NEC
	Schilder's disease
	Athetoid cerebral palsy
	Hereditary spastic paraplegia
	<b>Dementia</b>

	Alzheimer's disease
	Frontotemporal dementia NEC
	Dementia w Lewy bodies
	Mild cognitive impairment
	Cerebral degeneration NOS
	Pick's disease
	Senile dementia
	Presenile dementia
<b>Other CNS</b>	
<i>Inflammatory Diseases</i>	Meningitis
	Hemophilus meningitis
	Pneumococcal meningitis
	Streptococcal meningitis
	Staphylococcal meningitis
	Meningitis in other bacterial disease
	Bacterial meningitis NOS
	Encephalitis
	Rickettsial encephalitis
	Protozoal encephalitis
	Myelitis
	Acute myelitis
	Idiopathic transverse myelitis
	Encephalitis and Myelitis
	Encephalomyelitis
	Postinfectious encephalitis
	Postinfectious myelitis
	Other causes of encephalitis and encephalomyelitis
<i>Autonomic disorders</i>	Idiopathic peripheral autonomic neuropathy
	Autonomic neuropathy in other disease
	Autonomic dysreflexia
	Autonomic nerve disorder NEC
	Carotid sinus syndrome
	Reflex sympathetic dystrophy
<i>Other</i>	Communicating hydrocephalus
	Obstructive hydrocephalus
	Normal pressure hydrocephalus
	Syringomyelia and syringobulbia
	Reye's syndrome

#### **A4. Psychological Disorders**

<b>Category</b>	<b>Conditions</b>
<b>Schizophrenia and psychoses</b>	Simple type schizophrenia
	Disorganized type schizophrenia
	Catatonic type schizophrenia
	Paranoid type schizophrenia
	Latent schizophrenia
	Paranoid schizophrenia
	Other specified types of schizophrenia
	Unspecified schizophrenia
	Hebephrenia
	Psychotic disorder
	Schizophreniform disorder

	Excitative type psychosis
	Catatonia
	Psychosis NOS
	Senile psychosis
	Senile delusion
	Presenile delusion
<b>Mood[affective] disorders</b>	Chronic hypomanic personality
	Chronic depressive personality
	Bipolar I disorders: current mania, current depression, with/without psychosis, mixed
	Cyclothymic disorder
	Major depressive affective disorder
	Recurrent manic disorder
	Overanxious disorder
	Depressive psychosis
	Recurrent depressive psychosis
	Reactive depressive psychosis
	Presenile depression
	Senile depressive
<b>Personality disorders</b>	Paranoid personality disorder
	Schizoaffective disorders
	Schizophreniform disorders
	Obsessive-compulsive disorder
	Histrionic personality disorder
	Dependent personality
	Antisocial personality
	Personality Disorder NOS
	Narcissistic personality
	Borderline personality
	Avoidant personality
	Passive-aggressive personality
	Affective personality disorder
	Schizoid personality disorder
	Explosive personality
<b>Other Psychological Disorders</b>	
<i>Development and childhood disorder</i>	Childhood disintegrative disorder
	Other pervasive developmental disorder
	Attention deficit disorder
	Academic underachievement
	Conduct disorder
	Hyperkinetic disorder
	Oppositional defiant disorder
	Autistic disorder
	Selective mutism
	Social conduct disorder
	Misery & unhappiness disorder
	Identity disorder

<i>Eating and impulse control disorders</i>	Introverted disorder Shyness disorder Bulimia nervosa
	Pica Eating disorder NOS Anorexia nervosa Impulse control disorder Pathological gambling Intermittent explosive disorder Isolated explosive disorder Kleptomania Pyromania Unsocial aggression Unsocial unaggression
<i>Other</i>	Relationship problems Pseudobulbar affect Musculoskeletal malfunction arising from mental factors Psychogenic disorders: musculoskeletal, cardiovascular, skin, respiratory, gastrointestinal, genitourinary, endocrine, sensory Psychogenic vomiting Adjustment disorder Adjustment reaction Reactive confusion Acute paranoid reaction Rumination disorder Presenile delirium Senile delirium

**A5. Substance Use Disorders**

<b>Category</b>	<b>Conditions</b>
<b>Alcohol Use Disorder</b>	Alcohol abuse Alcohol withdrawal Alcohol mental disorder Acute alcohol intoxication Alcohol dependence Delirium tremens Alcohol amnestic disorder Alcohol persistent dementia Alcohol psychosis
<b>Other Drug Use Disorders</b>	
<i>Opioid Disorder</i>	Opioid abuse Opioid type dependence Combinations of opioid type drug with any other drug dependence
<i>Prescription medication disorder (non-opioid)</i>	Sedative, hypnotic or anxiolytic abuse
<i>Other drug disorder</i>	Antidepressant abuse Sedative, hypnotic or anxiolytic dependence Amphetamine or related acting sympathomimetic abuse Amphetamine and other psychostimulant dependence Hallucinogen abuse

Hallucinogen dependence  
Cocaine abuse  
Cocaine dependence  
Drug-induced psychotic disorder  
Pathologic drug intoxication  
Drug-induced delirium  
Drug mental disorder NOS  
Drug-induced psychiatric disorder w delusions  
Drug-induced psychiatric disorder w hallucinations  
Drug persisting dementia  
Drug persisting amnesic disorder  
Drug-induced mood disorder  
Drug induced sleep disorder  
Drug withdrawal  
Other specified drug dependence  
Combinations of drug dependence excluding opioid type drug  
Other combination drug dependence