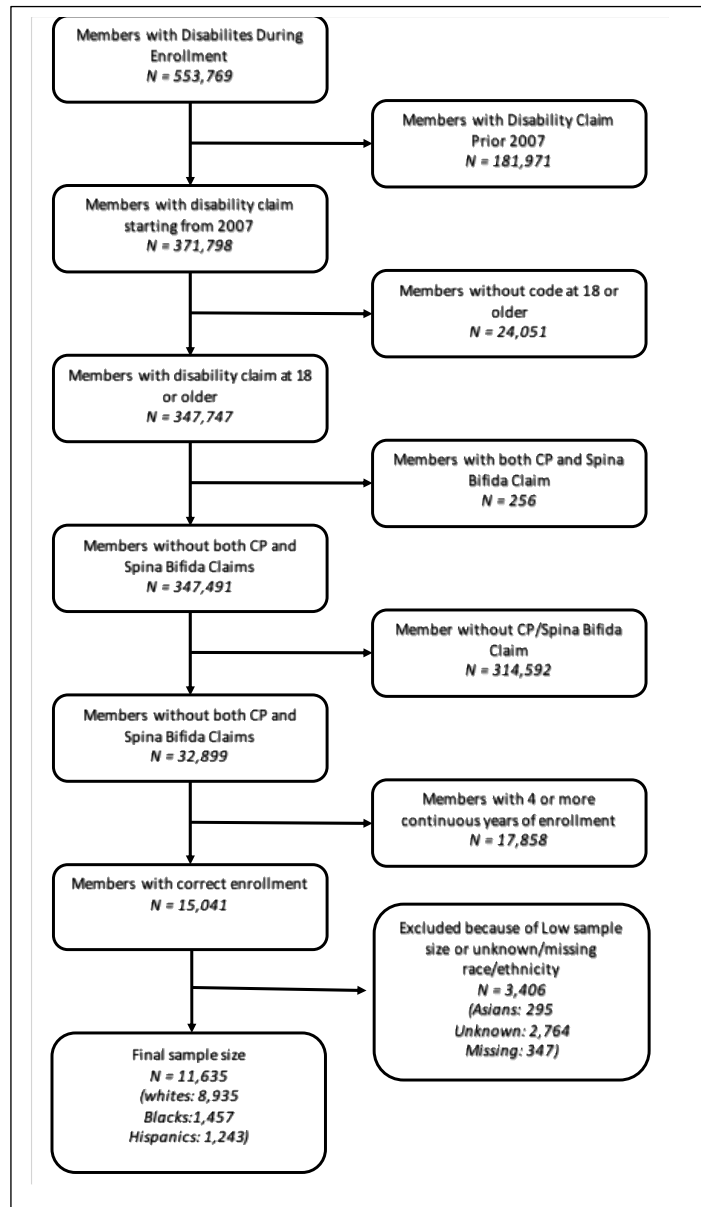


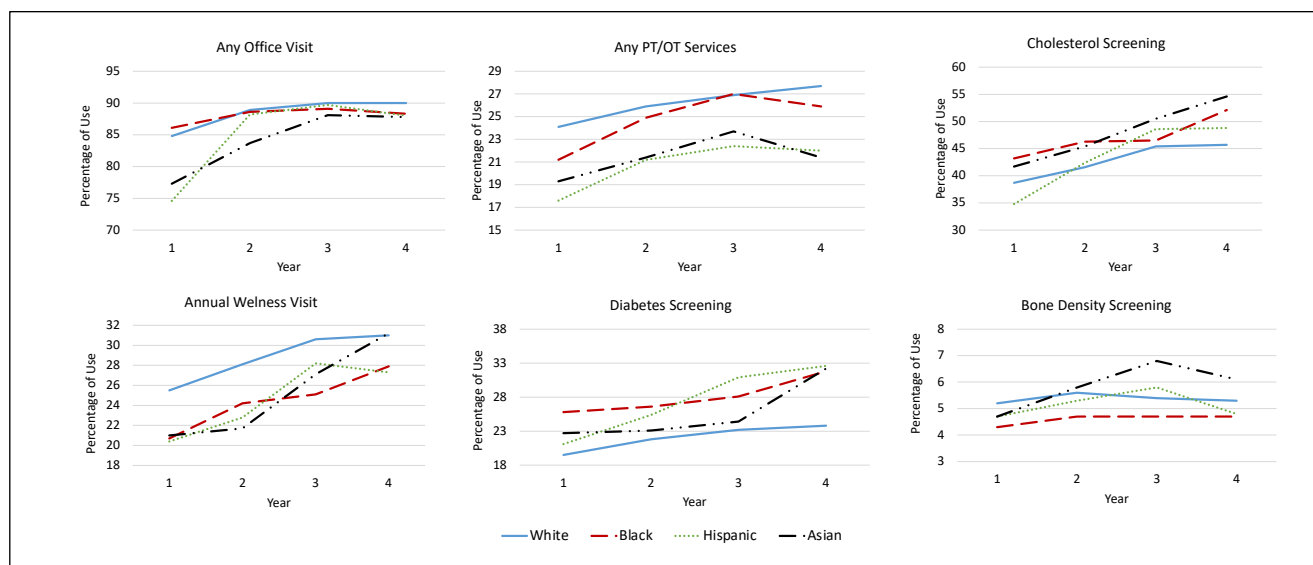
Supplemental materials for

Groskaufmanis L, Lin P, Kamdar N, et al. Racial and ethnic inequities in use of preventative services among privately insured adults with a pediatric-onset disability. *Ann Fam Med*. 2022;20(5):430-437.

Supplemental Figure 1. Schematic Flow Diagram of Sample Population



Supplemental Figure 2. Unadjusted Use of Preventive Services among White, Black, Hispanic, and Asian Adults



Source: The 2007-2017 OptumInsight

Supplemental Table 1. Diagnostic Codes for Cerebral Palsy and Spina Bifida

ICD9 Codes	
Cerebral Palsy	343.0, 343.1, 343.2, 343.3, 343.4, 343.8, 343.9, 333.71
Spina Bifida	741.00, 741.01, 741.02, 741.03, 741.90, 741.91, 741.92, 741.93

Supplemental Table 2. Medical Codes for Preventative Services

Description	Code
Office Visit	
CPT Code	
<i>New patient office or other outpatient visit, typically 10 minutes</i>	99201
<i>New patient office or other outpatient visit, typically 20 minutes</i>	99202
<i>New patient office or other outpatient visit, typically 30 minutes</i>	99203
<i>New patient office or other outpatient visit, typically 45 minutes</i>	99204
<i>New patient office or other outpatient visit, typically 60 minutes</i>	99205
<i>Established patient office or other outpatient visit, typically 5 minutes</i>	99211
<i>Established patient office or other outpatient visit, typically 10 minutes</i>	99212
<i>Established patient office or other outpatient visit, typically 15 minutes</i>	99213
<i>Established patient office or other outpatient, visit typically 25 minutes</i>	99214
<i>Established patient office or other outpatient, visit typically 40 minutes</i>	99215
<i>Patient office consultation, typically 15 minutes</i>	99241
<i>Patient office consultation, typically 30 minutes</i>	99242
<i>Patient office consultation, typically 40 minutes</i>	99243
<i>Patient office consultation, typically 60 minutes</i>	99244
<i>Patient office consultation, typically 80 minutes</i>	99245
Type of Service Code	
<i>Professional Service - Office Visit</i>	
Physical/Occupational Therapy	
Revenue Code	
<i>Physical therapy-general classification</i>	0420
<i>Physical therapy-visit charge</i>	0421
<i>Physical therapy-hourly charge</i>	0422
<i>Physical therapy-group rate</i>	0423
<i>Physical therapy-evaluation or re-evaluation</i>	0424
<i>Physical therapy-other</i>	0429
<i>Occupational therapy-general classification</i>	0430
<i>Occupational therapy-visit charge</i>	0431
<i>Occupational therapy-hourly charge</i>	0432
<i>Occupational therapy-group rate</i>	0433
<i>Occupational therapy-evaluation or re-evaluation</i>	0434
<i>Occupational therapy-other (may include restorative therapy)</i>	0439
<i>Professional fees-physical therapy</i>	0977
<i>Professional fees-occupational therapy</i>	0978
CPT/HCPCS Code	
<i>Apply neurostimulator</i>	64550
<i>Biofeedback train, any meth</i>	90901
<i>Biofeedback peri/uro/rectal</i>	90911
<i>Limb muscle testing, manual</i>	95831
<i>Hand muscle testing, manual</i>	95832

<i>Body muscle testing, manual</i>	95833
<i>Body muscle testing, manual</i>	95834
<i>Range of motion measurements</i>	95851
<i>Range of motion measurements</i>	95852
<i>Developmental test, lim</i>	96110
<i>Developmental test, extend</i>	96111
<i>Cognitive test by HC pro</i>	96125
<i>PT evaluation</i>	97001
<i>PT re-evaluation</i>	97002
<i>OT evaluation</i>	97003
<i>OT re-evaluation</i>	97004
<i>Hot or cold packs therapy</i>	97010
<i>Mechanical traction therapy</i>	97012
<i>Vasopneumatic device therapy</i>	97016
<i>Paraffin bath therapy</i>	97018
<i>Whirlpool therapy</i>	97022
<i>Diathermy eg, microwave</i>	97024
<i>Infrared therapy</i>	97026
<i>Ultraviolet therapy</i>	97028
<i>Electrical stimulation</i>	97032
<i>Electric current therapy</i>	97033
<i>Contrast bath therapy</i>	97034
<i>Ultrasound therapy</i>	97035
<i>Hydrotherapy</i>	97036
<i>Physical therapy treatment</i>	97039
<i>Therapeutic exercises</i>	97110
<i>Neuromuscular reeducation</i>	97112
<i>Aquatic therapy/exercises</i>	97113
<i>Gait training therapy</i>	97116
<i>Massage therapy</i>	97124
<i>Physical medicine procedure</i>	97139
<i>Manual therapy</i>	97140
<i>Group therapeutic procedures</i>	97150
<i>Therapeutic activities</i>	97530
<i>Cognitive skills development</i>	97532
<i>Sensory integration</i>	97533
<i>Self-care mngment training</i>	97535
<i>Community/work reintegration</i>	97537
<i>Wheelchair mngment training</i>	97542
<i>Rmvl devital tis 20 cm/<</i>	97597
<i>Rmvl devital tis addl 20 cm<</i>	97598
<i>Wound(s) care non-selective</i>	97602
<i>Neg press wound tx, < 50 cm</i>	97605

Neg press wound tx, > 50 cm	97606
Physical performance test	97750
Assistive technology assess	97755
Orthotic mgmt and training	97760
Prosthetic training	97761
C/O for orthotic/prosth use	97762
Physical medicine procedure	97799
Wound ultrasound	0183T
Elec stim unattend for press	G0281
Elec stim other than wound	G0283
Electromagntic tx for ulcers	G0329

Wellness/Preventive Visit

CPT Code

Initial comprehensive preventive medicine evaluation and management; 18 to 39 years of age	99385
Initial comprehensive preventive medicine evaluation and management; 40 to 64 years of age	99386
Initial comprehensive preventive medicine evaluation and management; 65 years and older	99387
Periodic comprehensive preventive medicine evaluation and management; 18 to 39 years of age	99395
Periodic comprehensive preventive medicine evaluation and management; 40 to 64 years of age	99396
Periodic comprehensive preventive medicine evaluation and management; 65 years and older	99397
Initial wellness visit; includes a personalized prevention plan of service (PPS)	G0438
Subsequent wellness visit, includes a personalized prevention plan of service (PPS)	G0439
Federally qualified health center (fqhc) visit, ippe or awv; a fqhc visit that includes an initial preventive physical examination (ippe) or annual wellness visit (awv) and includes a typical bundle of medicare-covered services that would be furnished per diem to a patient receiving an ippe or awv *	G0468

Cholesterol Screening

ICD Code

Screening for lipoid disorders	V77.91
Encounter for screening for lipoid disorders	Z13.220

CPT Code

Lipid panel	80061
Cholesterol, serum or whole blood, total	82465
Lipoprotein, direct measurement; high density cholesterol (HDL cholesterol)	83718
Lipoprotein Direct Measurement VLDL Cholesterol	83719
Lipoprotein Direct Measurement LDL Cholesterol	83721
Lipoprotein Direct measurement small dense LDL cholesterol	83722
Triglycerides	84478

Diabetes Screening

ICD Code

Screening for diabetes mellitus	V77.1
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<i>Encounter for screening for diabetes mellitus</i>	Z13.1
CPT Code	
<i>Blood glucose (sugar) level</i>	82947
<i>Blood glucose (sugar) measurement using reagent strip</i>	82948
<i>Blood glucose (sugar) level after receiving dose of glucose N</i>	82950
<i>Blood glucose (sugar) tolerance test; Initial</i>	82951
<i>Blood glucose (sugar) tolerance test; Additional</i>	82952
<i>Blood glucose (sugar) test performed by hand-held instrument</i>	82962
<i>Hemoglobin; glycosylated (A1C)</i>	83036
<i>Hemoglobin; glycosylated (A1C) by device cleared by FDA for home use</i>	83037

Bone Mineral Density Screening

CPT/HCPCS Code	
<i>Single energy x-ray absorptiometry (sexa) bone density study, one or more sites; appendicular skeleton</i>	G0130
<i>Computed tomography, bone mineral density study, 1 or more sites; axial skeleton</i>	77078
<i>Computed tomography, bone mineral density study, 1 or more sites; appendicular skeleton</i>	77079
<i>Dual-energy x-ray absorptiometry (dxa), bone density study, 1 or more sites; axial skeleton</i>	77080
<i>Dual-energy x-ray absorptiometry (dxa), bone density study, 1 or more sites; appendicular skeleton</i>	77081
<i>Radiographic absorptiometry (e.g., photo densitometry, radiogrammetry), 1 or more sites</i>	77083
<i>Dual-energy X-ray absorptiometry (DXA), bone density study, 1 or more sites, axial skeleton</i>	77085
<i>Ultrasound bone density measurement and interpretation, peripheral site(s), any method</i>	76977
<i>Computed Tomography, Bone Mineral Density Study, One Or More Sites; Axial Skeleton</i>	76070
<i>Computed Tomography, Bone Mineral Density Study, One Or More Sites; Appendicular Skeleton</i>	76071
<i>Dual Energy X-Ray Absorptiometry (Dexa), Bone Density Study, One Or More Sites; Axial Skeleton</i>	76075
<i>Dual Energy X-Ray Absorptiometry (Dexa), Bone Density Study, One Or More Sites; Appendicular Skeleton</i>	76076
<i>Radiographic Absorptiometry (E.G., Photodensitometry, Radiogrammetry), One Or More Sites</i>	76078
<i>Bone Density (Bone Mineral Content) Study, 1 Or More Sites; Single Photon Absorptiometry</i>	78350
<i>Bone Density (Bone Mineral Content) Study, 1 Or More Sites; Dual Photon Absorptiometry</i>	78351

Supplemental Table 3. Diagnostic Codes for Comorbid Conditions

ICD9/ICD10 Codes	
Diagnosis Group	
Cardiometabolic Outcome Group	
Cardiac dysrhythmias	427.0, 427.1, 427.2, 427.31, 427.32, 427.60, 427.61, 427.69, 427.81, 427.89, 427.9, 785.0, 785.1 I47.0, I47.1, I47.2, I47.9, I48.0, I48.1, I48.2, I48.3, I48.4, I48.91, I48.92, I49.1, I49.2, I49.3, I49.40, I49.49, I49.5, I49.8, I49.9, R00.0, R00.1, R00.2
Heart Failure	427.41, 427.42, 427.5, 428.0, 428.1, 428.20, 428.21, 428.22, 428.23, 428.30, 428.31, 428.32, 428.33, 428.40, 428.41, 428.42, 428.43, 428.9 I46.2, I46.8, I46.9, I49.01, I49.02, I50.1, I50.20, I50.21, I50.22, I50.23, I50.30, I50.31, I50.32, I50.33, I50.40, I50.41, I50.42, I50.43, I50.810, I50.811, I50.812, I50.813, I50.814, I50.82, I50.83, I50.84, I50.89, I50.9
Peripheral and visceral Atherosclerosis	440.0, 440.1, 440.2, 440.20, 440.21, 440.22, 440.23, 440.29, 440.4, 440.8, 440.9, 443.9, 557.0, 557.1, 557.9 I70.0, I70.1, I70.201, I70.202, I70.203, I70.208, I70.209, I70.211, I70.212, I70.213, I70.218, I70.219, I70.221, I70.222, I70.223, I70.228, I70.229, I70.231, I70.232, I70.233, I70.234, I70.235, I70.238, I70.239, I70.241, I70.242, I70.243, I70.244, I70.245, I70.248, I70.249, I70.25, I70.291, I70.292, I70.293, I70.298, I70.299, I70.8, I70.90, I70.91, I70.92, I73.9, K55.0, K55.011, K55.012, K55.019, K55.021, K55.022, K55.029, K55.031, K55.032, K55.039, K55.041, K55.042, K55.049, K55.051, K55.052, K55.059, K55.061, K55.062, K55.069, K55.1, K55.8, K55.9
Non-Alcoholic Fatty Liver Disease	571.8, 571.9 K76.0, K76.89, K76.9
Chronic kidney disease	585, 585.1, 585.2, 585.3, 585.4, 585.5, 585.6, 585.9, 792.5, V42.0, V45.1, V45.11, V45.12, V56.0, V56.1, V56.2, V56.31, V56.32, V56.8 N18.1, N18.2, N18.3, N18.4, N18.5, N18.6, N18.9, R88.0, Z49.01, Z49.02, Z49.31, Z49.32, Z91.15, Z94.0, Z99.2
Type 2 Diabetes	250.00, 250.02, 250.10, 250.12, 250.20, 250.22, 250.30, 250.32, 250.40, 250.42, 250.50, 250.52, 250.60, 250.62, 250.70, 250.72, 250.80, 250.82, 250.90, 250.92 E11.00, E11.01, E11.10, E11.11, E11.21, E11.22, E11.29, E11.311, E11.319, E11.321, E11.3211, E11.3212, E11.3213, E11.3219, E11.329, E11.3291, E11.3292, E11.3293, E11.3299, E11.331, E11.3311, E11.3312, E11.3313, E11.3319, E11.339, E11.3391, E11.3392, E11.3393, E11.3399, E11.341, E11.3411, E11.3412, E11.3413, E11.3419, E11.349, E11.3491, E11.3492, E11.3493, E11.3499, E11.351, E11.3511, E11.3512, E11.3513, E11.3519, E11.3521, E11.3522, E11.3523, E11.3529,

	E11.3531, E11.3532, E11.3533, E11.3539, E11.3541, E11.3542, E11.3543, E11.3549, E11.3551, E11.3552, E11.3553, E11.3559, E11.359, E11.3591, E11.3592, E11.3593, E11.3599, E11.36, E11.37X1, E11.37X2, E11.37X3, E11.37X9, E11.39, E11.40, E11.41, E11.42, E11.43, E11.44, E11.49, E11.51, E11.52, E11.59, E11.610, E11.618, E11.620, E11.621, E11.622, E11.628, E11.630, E11.638, E11.641, E11.649, E11.65, E11.69, E11.8, E11.9
Hypercholesterolemia	272.0, 272.1 E78.0, E78.00, E78.01, E78.1
Hypertension	401.0, 401.1, 401.9, 402.00, 402.01, 402.10, 402.11, 402.90, 402.91, 403.0, 403.00, 403.01, 403.1, 403.10, 403.11, 403.9, 403.90, 403.91, 404.0, 404.00, 404.01, 404.02, 404.03, 404.1, 404.10, 404.11, 404.12, 404.13, 404.9, 404.90, 404.91, 404.92, 404.93, 405.01, 405.09, 405.11, 405.19, 405.91, 405.99, 437.2 I10, I11.0, I11.9
Cardiac dysrhythmias	427.0, 427.1, 427.2, 427.31, 427.32, 427.60, 427.61, 427.69, 427.81, 427.89, 427.9, 785.0, 785.1 I47.0, I47.1, I47.2, I47.9, I48.0, I48.1, I48.2, I48.3, I48.4, I48.91, I48.92, I49.1, I49.2, I49.3, I49.40, I49.49, I49.5, I49.8, I49.9, R00.0, R00.1, R00.2
Heart Failure	427.41, 427.42, 427.5, 428.0, 428.1, 428.20, 428.21, 428.22, 428.23, 428.30, 428.31, 428.32, 428.33, 428.40, 428.41, 428.42, 428.43, 428.9 I46.2, I46.8, I46.9, I49.01, I49.02, I50.1, I50.20, I50.21, I50.22, I50.23, I50.30, I50.31, I50.32, I50.33, I50.40, I50.41, I50.42, I50.43, I50.810, I50.811, I50.812, I50.813, I50.814, I50.82, I50.83, I50.84, I50.89, I50.9
Peripheral and visceral Atherosclerosis	440.0, 440.1, 440.2, 440.20, 440.21, 440.22, 440.23, 440.29, 440.4, 440.8, 440.9, 443.9, 557.0, 557.1, 557.9 I70.0, I70.1, I70.201, I70.202, I70.203, I70.208, I70.209, I70.211, I70.212, I70.213, I70.218, I70.219, I70.221, I70.222, I70.223, I70.228, I70.229, I70.231, I70.232, I70.233, I70.234, I70.235, I70.238, I70.239, I70.241, I70.242, I70.243, I70.244, I70.245, I70.248, I70.249, I70.25, I70.291, I70.292, I70.293, I70.298, I70.299, I70.8, I70.90, I70.91, I70.92, I73.9, K55.0, K55.011, K55.012, K55.019, K55.021, K55.022, K55.029, K55.031, K55.032, K55.039, K55.041, K55.042, K55.049, K55.051, K55.052, K55.059, K55.061, K55.062, K55.069, K55.1, K55.8, K55.9
Psychological Outcome Group	
Insomnia	780.51, 780.52 G47.00
Adjustment Disorders	309.0, 309.1, 309.22, 309.23, 309.24, 309.28, 309.29, 309.3, 309.4, 309.82, 309.83, 309.89, 309.9

Anxiety Disorders

F43.20, F43.21, F43.22, F43.23, F43.24, F43.25,
F43.29, F43.8, F43.9
293.84, 300.00, 300.01, 300.02, 300.09, 300.10,
300.20, 300.21, 300.22, 300.23, 300.29, 300.3, 300.5,
300.89, 300.9, 308.0, 308.1, 308.2, 308.3, 308.4,
308.9, 309.81, 313.0, 313.1, 313.21, 313.22, 313.3,
313.82, 313.83
F06.4, F40.00, F40.01, F40.02, F40.10, F40.11,
F40.210, F40.218, F40.220, F40.228, F40.230,
F40.231, F40.232, F40.233, F40.240, F40.241,
F40.242, F40.243, F40.248, F40.290, F40.291,
F40.298, F40.8, F40.9, F41.0, F41.1, F41.3, F41.8,
F41.9, F42., F42.2, F42.3, F42.4, F42.8, F42.9, F43.0,
F43.10, F43.11, F43.12, F48.8, F48.9, R45.2, R45.3,
R45.4, R45.5, R45.6, R45.7, R45.81, R45.82, R45.83,
R45.84

PTSD

309.81
F43.1

**Impulse Control
Disorders**

312.30, 312.31, 312.32, 312.33, 312.34, 312.35,
312.39
F63.0, F63.1, F63.2, F63.3, F63.81, F63.89, F63.9,
R45.850

Mood Disorders

293.83, 296.00, 296.01, 296.02, 296.03, 296.04,
296.05, 296.06, 296.10, 296.11, 296.12, 296.13,
296.14, 296.15, 296.16, 296.20, 296.21, 296.22,
296.23, 296.24, 296.25, 296.26, 296.30, 296.31,
296.32, 296.33, 296.34, 296.35, 296.36, 296.40,
296.41, 296.42, 296.43, 296.44, 296.45, 296.46,
296.50, 296.51, 296.52, 296.53, 296.54, 296.55,
296.56, 296.60, 296.61, 296.62, 296.63, 296.64,
296.65, 296.66, 296.7, 296.80, 296.81, 296.82, 296.89,
296.90, 296.99, 300.4, 311
F06.30, F06.31, F06.32, F06.33, F06.34, F30.10,
F30.11, F30.12, F30.13, F30.2, F30.3, F30.4, F30.8,
F30.9, F31.0, F31.10, F31.11, F31.12, F31.13, F31.2,
F31.30, F31.31, F31.32, F31.4, F31.5, F31.60, F31.61,
F31.62, F31.63, F31.64, F31.70, F31.71, F31.72,
F31.73, F31.74, F31.75, F31.76, F31.77, F31.78,
F31.81, F31.89, F31.9, F32.0, F32.1, F32.2, F32.3,
F32.4, F32.5, F32.8, F32.81, F32.89, F32.9, F33.0,
F33.1, F33.2, F33.3, F33.40, F33.41, F33.42, F33.8,
F33.9, F34.0, F34.1, F34.8, F34.81, F34.89, F34.9,
F39, R45.86

Personality Disorders

301.0, 301.10, 301.11, 301.12, 301.13, 301.20, 301.21,
301.22, 301.3, 301.4, 301.50, 301.51, 301.59, 301.6,
301.7, 301.81, 301.82, 301.83, 301.84, 301.89, 301.9

**Alcohol-Related
Disorders**

F60.0, F60.1, F60.2, F60.3, F60.4, F60.5, F60.6, F60.7, F60.81, F60.89, F60.9, F69
291.0, 291.1, 291.2, 291.3, 291.4, 291.5, 291.8, 291.81, 291.82, 291.89, 291.9, 303.00, 303.01, 303.02, 303.03, 303.90, 303.91, 303.92, 303.93, 305.00, 305.01, 305.02, 305.03, 357.5, 425.5, 535.3, 535.30, 535.31, 571.0, 571.1, 571.2, 571.3, 760.71, 980.0
F10.10, F10.11, F10.120, F10.121, F10.129, F10.14, F10.150, F10.151, F10.159, F10.180, F10.181, F10.182, F10.188, F10.19, F10.20, F10.21, F10.220, F10.221, F10.229, F10.230, F10.231, F10.232, F10.239, F10.24, F10.250, F10.251, F10.259, F10.26, F10.27, F10.280, F10.281, F10.282, F10.288, F10.29, F10.920, F10.921, F10.929, F10.94, F10.950, F10.951, F10.959, F10.96, F10.97, F10.980, F10.981, F10.982, F10.988, F10.99, G62.1, I42.6, K29.20, K29.21, K70.0, K70.10, K70.11, K70.2, K70.30, K70.31, K70.40, K70.9, O99.310, O99.311, O99.312, O99.313, O99.314, O99.315, P04.3, Q86.0

**Substance-Related
Disorders**

292.0, 292.11, 292.12, 292.2, 292.81, 292.82, 292.83, 292.84, 292.85, 292.89, 292.9, 304.00, 304.01, 304.02, 304.03, 304.10, 304.11, 304.12, 304.13, 304.20, 304.21, 304.22, 304.23, 304.30, 304.31, 304.32, 304.33, 304.40, 304.41, 304.42, 304.43, 304.50, 304.51, 304.52, 304.53, 304.60, 304.61, 304.62, 304.63, 304.70, 304.71, 304.72, 304.73, 304.80, 304.81, 304.82, 304.83, 304.90, 304.91, 304.92, 304.93, 305.20, 305.21, 305.22, 305.23, 305.30, 305.31, 305.32, 305.33, 305.40, 305.41, 305.42, 305.43, 305.50, 305.51, 305.52, 305.53, 305.60, 305.61, 305.62, 305.63, 305.70, 305.71, 305.72, 305.73, 305.80, 305.81, 305.82, 305.83, 305.90, 305.91, 305.92, 305.93, 648.30, 648.31, 648.32, 648.33, 648.34, 655.50, 655.51, 655.53, 760.72, 760.73, 760.75, 779.5, 965.00, 965.01, 965.02, 965.09, V65.42
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Musculoskeletal Conditions

Rheumatoid arthritis and related disease

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M80.00XA, M80.00XD, M80.00XG, M80.00XK, M80.00XP, M80.00XS, M80.011A, M80.011D, M80.011G, M80.011K, M80.011P, M80.011S, M80.012A, M80.012D, M80.012G, M80.012K, M80.012P, M80.012S, M80.019A, M80.019D, M80.019G, M80.019K, M80.019P, M80.019S, M80.021A, M80.021D, M80.021G, M80.021K, M80.021P, M80.021S, M80.022A, M80.022D, M80.022G, M80.022K, M80.022P, M80.022S, M80.029A, M80.029D, M80.029G, M80.029K, M80.029P, M80.029S, M80.031A, M80.031D, M80.031G, M80.031K, M80.031P, M80.031S, M80.032A, M80.032D, M80.032G, M80.032K, M80.032P, M80.032S, M80.039A, M80.039D, M80.039G, M80.039K, M80.039P, M80.039S, M80.041A, M80.041D, M80.041G, M80.041K, M80.041P, M80.041S, M80.042A, M80.042D, M80.042G, M80.042K, M80.042P, M80.042S, M80.049A, M80.049D, M80.049G, M80.049K, M80.049P, M80.049S, M80.051A, M80.051D, M80.051G, M80.051K, M80.051P, M80.051S, M80.052A, M80.052D, M80.052G, M80.052K, M80.052P, M80.052S, M80.059A, M80.059D, M80.059G, M80.059K, M80.059P, M80.059S, M80.061A, M80.061D, M80.061G, M80.061K, M80.061P, M80.061S, M80.062A, M80.062D, M80.062G, M80.062K, M80.062P, M80.062S, M80.069A, M80.069D, M80.069G, M80.069K, M80.069P, M80.069S, M80.071A, M80.071D, M80.071G, M80.071K, M80.071P, M80.071S, M80.072A, M80.072D, M80.072G, M80.072K, M80.072P, M80.072S, M80.079A, M80.079D, M80.079G, M80.079K, M80.079P, M80.079S, M80.08XA, M80.08XD, M80.08XG, M80.08XK, M80.08XP, M80.08XS, M80.80XA, M80.80XD, M80.80XG, M80.80XK, M80.80XP, M80.80XS, M80.811A, M80.811D, M80.811G, M80.811K, M80.811P, M80.811S, M80.812A, M80.812D, M80.812G, M80.812K, M80.812P, M80.812S, M80.819A, M80.819D, M80.819G, M80.819K, M80.819P, M80.819S, M80.821A, M80.821D, M80.821G, M80.821K, M80.821P, M80.821S, M80.822A, M80.822D, M80.822G, M80.822K, M80.822P, M80.822S,

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Other connective tissue disease

M84.673S, M84.674A, M84.674D, M84.674G, M84.674K, M84.674P, M84.674S, M84.675A, M84.675D, M84.675G, M84.675K, M84.675P, M84.675S, M84.676A, M84.676D, M84.676G, M84.676K, M84.676P, M84.676S, M84.68XA, M84.68XD, M84.68XG, M84.68XK, M84.68XP, M84.68XS, Z87.310, Z87.311

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G47.62, K68.12, M24.20, M24.211, M24.212, M24.219, M24.221, M24.222, M24.229, M24.231, M24.232, M24.239, M24.241, M24.242, M24.249, M24.251, M24.252, M24.259, M24.271, M24.272, M24.273, M24.274, M24.275, M24.276, M24.28, M35.2, M35.3, M35.4, M35.6, M35.7, M35.8, M60.000, M60.001, M60.002, M60.003, M60.004, M60.005, M60.009, M60.011, M60.012, M60.019, M60.021, M60.022, M60.029, M60.031, M60.032, M60.039, M60.041, M60.042, M60.043, M60.044, M60.045, M60.046, M60.051, M60.052, M60.059, M60.061, M60.062, M60.069, M60.070, M60.071, M60.072, M60.073, M60.074, M60.075, M60.076, M60.077, M60.078, M60.08, M60.09, M60.10, M60.111, M60.112, M60.119, M60.121, M60.122, M60.129, M60.131, M60.132, M60.139, M60.141, M60.142, M60.149, M60.151, M60.152, M60.159, M60.161, M60.162, M60.169, M60.171, M60.172, M60.179, M60.18, M60.19, M60.20, M60.211, M60.212, M60.219, M60.221, M60.222, M60.229, M60.231, M60.232, M60.239, M60.241, M60.242, M60.249, M60.251, M60.252, M60.259, M60.261, M60.262, M60.269, M60.271, M60.272,

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Muscle Atrophy Weakness

728.2, 728.87

M62.50, M62.511, M62.512, M62.519, M62.521, M62.522, M62.529, M62.531, M62.532, M62.539, M62.541, M62.542, M62.549, M62.551, M62.552, M62.559, M62.561, M62.562,

Myalgia

M62.569, M62.571, M62.572, M62.579, M62.58, M62.59,
M62.81
729.1
M60.9, M79.1, M79.10, M79.11, M79.12, M79.18, M79.7

Supplemental Table 4. Descriptive Characteristics of White, Black, Hispanic, and Asian Adults (18-64) with CP/SB

Cerebral Palsy/Spina Bifida	<i>All Race</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>Asian</i>
Overall	11930 (100%)	8935 (100%)	1457 (100%)	1243 (100%)	295 (100%)
Full Enrollment Length					
<i>Mean (StD)</i>	7.8 (3.3)	7.8 (3.3)	7.4 (3.1)	8.2 (3.6)	7.8 (3.4)
<i>Median (Q1-Q3)</i>	7.0 (5.0-9.8)	7.0 (5.0-9.8)	6.9 (5.0-9.0)	7.3 (5.3-10.5)	6.8(5.2-9.5)
Age					
<i>Mean (StD)</i>	45.53 (17.55)	45.60 (17.73)	46.36 (16.87)	44.09 (16.97)	42.27 (17.56)
Gender					
<i>Female</i>	6704 (56.2%)	4964 (55.6%)	881 (60.5%)	692 (55.7%)	167(56.6%)
<i>Male</i>	5225 (43.8%)	3971 (44.4%)	576 (39.5%)	551 (44.3%)	128 (43.4%)
Elixhauser Index					
<i>Mean (StD)</i>	2.02(2.24)	1.97(2.18)	2.51(2.61)	1.75 (2.21)	1.62(2.04)
Education					
<i>Less than 12th Grade</i>	74(0.6%)	17(0.2%)	6(0.4%)	51(4.1%)	0 (0.0%)
<i>High School or some College</i>	10085(84.5%)	7420(83.0%)	1383(94.9%)	1067(85.8%)	215(72.9%)
<i>Bachelor Degree or Higher</i>	1744(14.6%)	1477(16.5%)	65(4.5%)	124(10.0%)	78(26.4%)
<i>Unknown</i>	27(0.2%)	21(0.2%)	3(0.2%)	1(0.1%)	2(0.68%)
Household Income					
<\$40K	2626(22.0%)	1774(19.9%)	594(40.8%)	354(28.5%)	31(10.5%)
\$40K-\$99K	4053(34.0%)	3232(36.2%)	478(32.8%)	489(39.3%)	69(23.4%)
\$>=\$100K	2980(25.0%)	2711(30.3%)	148(10.2%)	202(16.3%)	98(33.2%)
<i>Unknown</i>	2271(19.0%)	1218(13.6%)	237(16.3%)	198(15.9%)	97(32.9%)

Source: The 2007-2017 OptumInsight

Abbreviations: StD: Standard Deviation; Q1-Q3: Quartile 1 and Quartile 3; CP/SB: Cerebral Palsy/Spina Bifida

#CP=7,389; SB=4,541

Supplemental Table 5. Prevalence of Psychological, Cardiometabolic, and Musculoskeletal Conditions among White, Black, Hispanic, and Asian Adults (18-64) with CP/SB

Conditions	White #(%)	Black #(%)	Hispanic #(%)	Asian #(%)
Psychological				
Adjustment Disorder	238 (2.66)	40 (2.75)	19 (1.53)	6 (2.03)
Alcohol-related Disorders	91 (1.02)	20 (1.37)	10 (0.80)	3 (1.02)
Anxiety Disorders	930 (10.41)	148 (10.16)	104 (8.37)	18 (6.1)
Central pain	444 (4.97)	84 (5.77)	49 (3.94)	10 (3.39)
Delirium	116 (1.30)	18 (1.24)	11 (0.88)	5 (1.69)
Impulse Control Disorder	36 (0.40)	4 (0.27)	4 (0.32)	1 (0.34)
Insomnia	321 (3.59)	49 (3.36)	51 (4.10)	3 (1.02)
Mood Disorders	1329 (14.87)	193 (13.25)	121 (9.73)	24 (8.14)
PTSD	51 (0.57)	7 (0.48)	7 (0.56)	0 (0)
Personality Disorders	31 (0.35)	8 (0.55)	2 (0.16)	2 (0.68)
Substance related Disorders	144 (1.61)	21 (1.44)	16 (1.29)	4 (1.36)
Cardiometabolic				
Diabetes Type II	863 (9.66)	241 (16.54)	161 (12.95)	33 (11.19)
Cardiac Dysrhythmias	826 (9.24)	143 (9.81)	110 (8.85)	23 (7.8)
Chronic Kidney Disease	202 (2.26)	68 (4.67)	36 (2.90)	10 (3.39)
Heart failure	221 (2.47)	81 (5.56)	28 (2.25)	3 (1.02)
Hypercholesterolemia	912 (10.21)	179 (12.29)	114 (9.17)	38 (12.88)
Hypertension	2515 (28.15)	581 (39.88)	277 (22.28)	68 (23.05)
Liver disease; non-alcoholic	94 (1.05)	11 (0.75)	24 (1.93)	4 (1.36)
Peripheral and visceral atherosclerosis	399 (4.47)	99 (6.79)	39 (3.14)	9 (3.05)
Musculoskeletal				
Muscle Atrophy	66 (0.74)	10 (0.69)	5 (0.40)	0 (0)
Myalgia	537 (6.01)	80 (5.49)	59 (4.75)	9 (3.05)
Osteoarthritis	991 (11.09)	195 (13.38)	106 (8.53)	18 (6.1)
Osteoporosis	421 (4.71)	59 (4.05)	47 (3.78)	16 (5.42)
Other Connective Tissue Disorder	2963 (33.16)	501 (34.39)	308 (24.78)	72 (24.41%)
Pathological Fracture	71 (0.79)	4 (0.27)	6 (0.48)	2 (0.68%)
Rheumatoid Arthritis	163 (1.82)	32 (2.20)	29 (2.33)	3 (1.02%)

Source: The 2007-2017 OptumInsight

Supplemental Table 6. Post matched Characteristics of white and Hispanic people with CP/SB

Variable	category	Overall	White	Hispanic	Prob_Chi_Square	Fisher_p_value
female	0	828(44.52)	416(44.73)	412(44.30)	0.852	0.8887
female	1	1032(55.48)	514(55.27)	518(55.70)	0.852	0.8887
adj_disorder	0	1850(99.46)	924(99.35)	926(99.57)	0.526	0.7532
adj_disorder	1	10(0.54)	6(0.65)	4(0.43)	0.526	0.7532
alc_disorders	0	1852(99.57)	927(99.68)	925(99.46)	0.4786	0.726
alc_disorders	1	8(0.43)	3(0.32)	5(0.54)	0.4786	0.726
anx_disorders	0	1787(96.08)	897(96.45)	890(95.70)	0.4032	0.474
anx_disorders	1	73(3.92)	33(3.55)	40(4.30)	0.4032	0.474
card_dys	0	1785(95.97)	899(96.67)	886(95.27)	0.1254	0.1568
card_dys	1	75(4.03)	31(3.33)	44(4.73)	0.1254	0.1568
central_pain	0	1821(97.90)	914(98.28)	907(97.53)	0.2573	0.3316
central_pain	1	39(2.10)	16(1.72)	23(2.47)	0.2573	0.3316
ckd	0	1845(99.19)	921(99.03)	924(99.35)	0.4367	0.6058
ckd	1	15(0.81)	9(0.97)	6(0.65)	0.4367	0.6058
delirium	0	1852(99.57)	927(99.68)	925(99.46)	0.4786	0.726
delirium	1	8(0.43)	3(0.32)	5(0.54)	0.4786	0.726
diabetes_typed	0	1777(95.54)	889(95.59)	888(95.48)	0.9106	1
diabetes_typed	1	83(4.46)	41(4.41)	42(4.52)	0.9106	1
heart_failure	0	1840(98.92)	919(98.82)	921(99.03)	0.653	0.8228
heart_failure	1	20(1.08)	11(1.18)	9(0.97)	0.653	0.8228
hypercholesterolemia	0	1761(94.68)	882(94.84)	879(94.52)	0.7567	0.8365
hypercholesterolemia	1	99(5.32)	48(5.16)	51(5.48)	0.7567	0.8365
hypertension	0	1628(87.53)	816(87.74)	812(87.31)	0.7789	0.8333
hypertension	1	232(12.47)	114(12.26)	118(12.69)	0.7789	0.8333
impulse_control_disord	0	1857(99.84)	929(99.89)	928(99.78)	0.5634	1
impulse_control_disord	1	3(0.16)	1(0.11)	2(0.22)	0.5634	1
insomnia	0	1830(98.39)	919(98.82)	911(97.96)	0.1409	0.1968
insomnia	1	30(1.61)	11(1.18)	19(2.04)	0.1409	0.1968
liver_non_alc	0	1851(99.52)	926(99.57)	925(99.46)	0.7383	1
liver_non_alc	1	9(0.48)	4(0.43)	5(0.54)	0.7383	1
mild_cognitive_impairment	0	1860(100.00)	930(100.00)	930(100.00)	0.7383	
mood_disorders	0	1761(94.68)	883(94.95)	878(94.41)	0.6055	0.6797
mood_disorders	1	99(5.32)	47(5.05)	52(5.59)	0.6055	0.6797
muscle_atrophy_weakness	0	1857(99.84)	929(99.89)	928(99.78)	0.5634	1
muscle_atrophy_weakness	1	3(0.16)	1(0.11)	2(0.22)	0.5634	1
myalgia	0	1803(96.94)	906(97.42)	897(96.45)	0.226	0.2817
myalgia	1	57(3.06)	24(2.58)	33(3.55)	0.226	0.2817

osteoarthritis	0	1777(95.54)	895(96.24)	882(94.84)	0.1443	0.1775
osteoarthritis	1	83(4.46)	35(3.76)	48(5.16)	0.1443	0.1775
osteoporosis	0	1827(98.23)	917(98.60)	910(97.85)	0.2189	0.2919
osteoporosis	1	33(1.77)	13(1.40)	20(2.15)	0.2189	0.2919
other_connect_tis_di sease	0	1527(82.10)	769(82.69)	758(81.51)	0.5059	0.5454
other_connect_tis_di sease	1	333(17.90)	161(17.31)	172(18.49)	0.5059	0.5454
ptsd	0	1854(99.68)	928(99.78)	926(99.57)	0.4135	0.687
ptsd	1	6(0.32)	2(0.22)	4(0.43)	0.4135	0.687
path_fracture	0	1855(99.73)	926(99.57)	929(99.89)	0.1791	0.3743
path_fracture	1	5(0.27)	4(0.43)	1(0.11)	0.1791	0.3743
periph_visc_athero	0	1829(98.33)	914(98.28)	915(98.39)	0.8563	1
periph_visc_athero	1	31(1.67)	16(1.72)	15(1.61)	0.8563	1
pers_disorders	0	1859(99.95)	930(100.00)	929(99.89)	0.3172	1
pers_disorders	1	1(0.05)	0(0.00)	1(0.11)	0.3172	1
rheum_arth	0	1840(98.92)	921(99.03)	919(98.82)	0.653	0.8228
rheum_arth	1	20(1.08)	9(0.97)	11(1.18)	0.653	0.8228
substance_rel_disord ers	0	1849(99.41)	924(99.35)	925(99.46)	0.7623	1
substance_rel_disord ers	1	11(0.59)	6(0.65)	5(0.54)	0.7623	1

Supplemental Table 7. Post matched Characteristics of White and Black people with CP/SB

Variable	category	Overall	White	Hispanic	Prob_Chi_Square	Fisher_p_value
female	0	800(41.62)	396(41.21)	404(42.04)	0.7112	0.746
female	1	1122(58.38)	565(58.79)	557(57.96)	0.7112	0.746
adj_disorder	0	1899(98.80)	955(99.38)	944(98.23)	0.021	0.0336
adj_disorder	1	23(1.20)	6(0.62)	17(1.77)	0.021	0.0336
alc_disorders	0	1907(99.22)	955(99.38)	952(99.06)	0.4368	0.6058
alc_disorders	1	15(0.78)	6(0.62)	9(0.94)	0.4368	0.6058
anx_disorders	0	1804(93.86)	908(94.48)	896(93.24)	0.2542	0.2959
anx_disorders	1	118(6.14)	53(5.52)	65(6.76)	0.2542	0.2959
card_dys	0	1817(94.54)	911(94.80)	906(94.28)	0.6158	0.6882
card_dys	1	105(5.46)	50(5.20)	55(5.72)	0.6158	0.6882
central_pain	0	1873(97.45)	940(97.81)	933(97.09)	0.3111	0.3855
central_pain	1	49(2.55)	21(2.19)	28(2.91)	0.3111	0.3855
ckd	0	1896(98.65)	952(99.06)	944(98.23)	0.1142	0.1657
ckd	1	26(1.35)	9(0.94)	17(1.77)	0.1142	0.1657
delirium	0	1915(99.64)	957(99.58)	958(99.69)	0.7049	1
delirium	1	7(0.36)	4(0.42)	3(0.31)	0.7049	1
diabetes_tpell	0	1799(93.60)	903(93.96)	896(93.24)	0.5142	0.5762
diabetes_tpell	1	123(6.40)	58(6.04)	65(6.76)	0.5142	0.5762
heart_failure	0	1894(98.54)	945(98.34)	949(98.75)	0.4464	0.5687
heart_failure	1	28(1.46)	16(1.66)	12(1.25)	0.4464	0.5687
hypercholesterolemia	0	1783(92.77)	894(93.03)	889(92.51)	0.6597	0.7248
hypercholesterolemia	1	139(7.23)	67(6.97)	72(7.49)	0.6597	0.7248
hypertension	0	1458(75.86)	730(75.96)	728(75.75)	0.9151	0.9575
hypertension	1	464(24.14)	231(24.04)	233(24.25)	0.9151	0.9575
impulse_cont_disorders	0	1920(99.90)	960(99.90)	960(99.90)	1	1
impulse_cont_disorders	1	2(0.10)	1(0.10)	1(0.10)	1	1
insomnia	0	1883(97.97)	945(98.34)	938(97.61)	0.2574	0.3318
insomnia	1	39(2.03)	16(1.66)	23(2.39)	0.2574	0.3318
liver_non_alc	0	1907(99.22)	954(99.27)	953(99.17)	0.7955	1
liver_non_alc	1	15(0.78)	7(0.73)	8(0.83)	0.7955	1
mild_cognitive_impairment	0	1922(100.00)	961(100.00)	961(100.00)	0.7955	
mood_disorders	0	1755(91.31)	877(91.26)	878(91.36)	0.9355	1
mood_disorders	1	167(8.69)	84(8.74)	83(8.64)	0.9355	1
muscle_atrophy_weakness	0	1912(99.48)	957(99.58)	955(99.38)	0.526	0.7533

muscle_atrophy_weakness	1	10(0.52)	4(0.42)	6(0.62)	0.526	0.7533
myalgia	0	1847(96.10)	923(96.05)	924(96.15)	0.9062	1
myalgia	1	75(3.90)	38(3.95)	37(3.85)	0.9062	1
osteoarthritis	0	1781(92.66)	890(92.61)	891(92.72)	0.9303	1
osteoarthritis	1	141(7.34)	71(7.39)	70(7.28)	0.9303	1
osteoporosis	0	1868(97.19)	933(97.09)	935(97.29)	0.7825	0.8904
osteoporosis	1	54(2.81)	28(2.91)	26(2.71)	0.7825	0.8904
other_connective_tissue_disease	0	1420(73.88)	716(74.51)	704(73.26)	0.5332	0.5679
other_connective_tissue_disease	1	502(26.12)	245(25.49)	257(26.74)	0.5332	0.5679
ptsd	0	1917(99.74)	958(99.69)	959(99.79)	0.6543	1
ptsd	1	5(0.26)	3(0.31)	2(0.21)	0.6543	1
path_fracture	0	1922(100.00)	961(100.00)	961(100.00)	0.6543	
periph_visc_atherosclerosis	0	1857(96.62)	928(96.57)	929(96.67)	0.8996	1
periph_visc_atherosclerosis	1	65(3.38)	33(3.43)	32(3.33)	0.8996	1
pers_disorders	0	1920(99.90)	960(99.90)	960(99.90)	1	1
pers_disorders	1	2(0.10)	1(0.10)	1(0.10)	1	1
rheum_arth	0	1906(99.17)	954(99.27)	952(99.06)	0.6156	0.8028
rheum_arth	1	16(0.83)	7(0.73)	9(0.94)	0.6156	0.8028
substance_related_disorders	0	1903(99.01)	954(99.27)	949(98.75)	0.249	0.3569
substance_related_disorders	1	19(0.99)	7(0.73)	12(1.25)	0.249	0.3569

Supplemental Table 8. Regression Results for Any Office Visit between Hispanics and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	0.1958	1.0572	-1.8763	2.2679	0.8531
year_2	0.7512	0.1037	0.548	0.9543	<.0001
year_3	1.0318	0.1193	0.7979	1.2657	<.0001
year_4	1.0651	0.1291	0.812	1.3182	<.0001
Hispanic	-0.0514	1.022	-2.0545	1.9516	0.9598
age	-0.0057	0.0027	-0.011	-0.0003	0.0373
female	0.5296	0.0835	0.366	0.6933	<.0001
Elixhauser	0.587	0.0764	0.4373	0.7366	<.0001
high school or some college	0.4765	0.9908	-1.4655	2.4184	0.6306
bachelor's degree or higher	0.3656	1.0046	-1.6035	2.3347	0.7159
\$40k-\$99K	-0.0673	0.1604	-0.3817	0.247	0.6746
\$>100K	0.1091	0.1852	-0.2539	0.4721	0.5557
income unknown	-0.0675	0.2347	-0.5274	0.3924	0.7737
east north central	-0.2245	0.4064	-1.0211	0.572	0.5806
east north central	0.0353	0.5422	-1.0274	1.098	0.9481
middle Atlantic	0.5571	0.4672	-0.3586	1.4728	0.2331
mountain	-0.074	0.4105	-0.8786	0.7305	0.8569
pacific	-0.6119	0.3924	-1.381	0.1571	0.1189
south Atlantic	0.394	0.3964	-0.3829	1.1708	0.3203
unknown	-0.9822	0.534	-2.0289	0.0644	0.0659
west north central	-0.2389	0.4238	-1.0696	0.5918	0.573
west south central	0.1093	0.3967	-0.6681	0.8868	0.7828

Supplemental Table 9. Regression Results for Any Office Visit between Blacks and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	0.193	0.948	-1.665	2.0509	0.8387
year_2	0.3151	0.1053	0.1087	0.5215	0.0028
year_3	0.4832	0.1239	0.2404	0.7261	<.0001
year_4	0.4018	0.1211	0.1644	0.6392	0.0009
Black	0.1412	1.1374	-2.0881	2.3706	0.9012
age	0.0048	0.003	-0.0012	0.0108	0.1149
female	0.6084	0.093	0.426	0.7907	<.0001
Elixhauser	0.4334	0.0627	0.3104	0.5563	<.0001
high school or some college	0.6536	0.8671	-1.0458	2.353	0.451
bachelor's degree or higher	0.6584	0.8796	-1.0657	2.3824	0.4542
\$40k-\$99K	-0.1797	0.1798	-0.5321	0.1726	0.3174
\$>100K	0.0222	0.194	-0.358	0.4024	0.909
income unknown	-0.3771	0.2438	-0.855	0.1008	0.122
east north central	-0.1059	0.3342	-0.7608	0.5491	0.7514
east north central	-0.2303	0.3818	-0.9786	0.5179	0.5463
middle Atlantic	-0.3023	0.3843	-1.0555	0.451	0.4316
mountain	-0.4968	0.3558	-1.1943	0.2006	0.1626
pacific	-0.7813	0.33	-1.4281	-0.1345	0.0179
south Atlantic	0.0734	0.3227	-0.5591	0.706	0.82
unknown	-0.9939	0.5179	-2.0091	0.0212	0.055
west north central	-0.0147	0.3514	-0.7034	0.6741	0.9667
west south central	-0.1404	0.3358	-0.7986	0.5178	0.6759

0.093

0.426

0.790

Supplemental Table 10. Regression Results for Wellness Visit between Hispanics and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	-0.7408	0.4111	-1.5465	0.0648	0.0715
year_2	0.2873	0.0905	0.11	0.4646	0.0015
year_3	0.304	0.0848	0.1379	0.4702	0.0003
year_4	0.2761	0.0913	0.0971	0.4551	0.0025
Hispanic	-0.7455	0.4179	-1.5646	0.0736	0.0744
age	-0.0045	0.0024	-0.0093	0.0003	0.0643
female	1.1217	0.0826	0.9598	1.2836	<.0001
Elixhauser	-0.0054	0.0238	-0.0519	0.0412	0.8218
high school or some college	-0.4446	0.2884	-1.0098	0.1206	0.1231
bachelor's degree or higher	-0.1526	0.3166	-0.7731	0.468	0.6299
\$40k-\$99K	0.3619	0.1628	0.0429	0.681	0.0262
\$>100K	0.7237	0.1707	0.3892	1.0583	<.0001
income unknown	0.1141	0.203	-0.2838	0.512	0.5742
east north central	-0.9271	0.2637	-1.4439	-0.4102	0.0004
east north central	-0.8677	0.356	-1.5653	-0.17	0.0148
middle Atlantic	-0.3606	0.2847	-0.9186	0.1974	0.2053
mountain	-0.937	0.265	-1.4563	-0.4177	0.0004
pacific	-1.2585	0.2545	-1.7573	-0.7597	<.0001
south Atlantic	-0.7031	0.2496	-1.1923	-0.2139	0.0049
unknown	-1.2452	0.4497	-2.1266	-0.3637	0.0056
west north central	-0.7551	0.2819	-1.3077	-0.2025	0.0074
west south central	-0.8165	0.2509	-1.3083	-0.3247	0.0011

Supplemental Table 11. Regression Results for Wellness Visit between Blacks and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	-0.2894	0.78	-1.8183	1.2395	0.7106
year_2	0.0425	0.0855	-0.1251	0.2101	0.6191
year_3	0.1105	0.088	-0.0619	0.2828	0.2092
year_4	0.2176	0.0867	0.0476	0.3876	0.0121
Black	-1.6762	1.1156	-3.8627	0.5103	0.133
age	-0.0077	0.0025	-0.0125	-0.0029	0.0016
female	1.0115	0.0787	0.8572	1.1658	<.0001
Elixhauser	-0.0808	0.0229	-0.1257	-0.036	0.0004
high school or some college	-0.2702	0.7224	-1.686	1.1456	0.7084
bachelor's degree or higher	-0.1442	0.7348	-1.5845	1.296	0.8444
\$40k-\$99K	0.0385	0.1512	-0.2579	0.3348	0.7991
\$>100K	0.4842	0.1588	0.1729	0.7954	0.0023
income unknown	-0.1621	0.194	-0.5424	0.2182	0.4034
east north central	-0.6941	0.2374	-1.1593	-0.2288	0.0035
east north central	-0.9557	0.2861	-1.5164	-0.395	0.0008
middle Atlantic	-0.4353	0.2671	-0.9588	0.0882	0.1031
mountain	-0.5755	0.267	-1.0988	-0.0521	0.0312
pacific	-1.1153	0.2569	-1.6188	-0.6117	<.0001
south Atlantic	-0.6942	0.2275	-1.14	-0.2484	0.0023
unknown	-1.036	0.5102	-2.0359	-0.0361	0.0423
west north central	-0.4115	0.2494	-0.9003	0.0774	0.099
west south central	-0.4403	0.2403	-0.9113	0.0307	0.0669

Supplemental Table 12. Regression Results for Cholesterol Screening between Hispanics and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	-1.9995	1.1046	-4.1645	0.1654	0.0703
year_2	0.4525	0.0926	0.271	0.634	<.0001
year_3	0.7374	0.0914	0.5583	0.9165	<.0001
year_4	0.7324	0.0925	0.5511	0.9138	<.0001
Hispanic	-0.1703	1.1043	-2.3346	1.994	0.8774
age	0.0282	0.0022	0.0239	0.0325	<.0001
female	0.0444	0.0684	-0.0897	0.1786	0.5163
Elixhauser	0.1836	0.0268	0.1311	0.2361	<.0001
high school or some college	-0.1908	1.0749	-2.2976	1.9159	0.8591
bachelor's degree or higher	-0.1084	1.0826	-2.2302	2.0134	0.9202
\$40k-\$99K	0.0898	0.1354	-0.1757	0.3553	0.5074
\$>100K	0.165	0.1481	-0.1254	0.4553	0.2655
income unknown	-0.1849	0.1912	-0.5596	0.1898	0.3336
east north central	-0.6223	0.2421	-1.0968	-0.1478	0.0102
east north central	-0.7643	0.3478	-1.446	-0.0826	0.028
middle Atlantic	-0.2776	0.2711	-0.8088	0.2537	0.3058
mountain	-0.7039	0.2448	-1.1837	-0.2242	0.004
pacific	-0.4602	0.231	-0.913	-0.0074	0.0464
south Atlantic	-0.139	0.2283	-0.5864	0.3085	0.5427
unknown	-1.2689	0.4282	-2.108	-0.4297	0.003
west north central	-0.8368	0.274	-1.3738	-0.2998	0.0023
west south central	-0.4702	0.2329	-0.9267	-0.0138	0.0435

Supplemental Table 13. Regression Results for Cholesterol Screening between Black and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	-1.9109	0.7698	-3.4197	-0.4021	0.0131
year_2	0.0542	0.0831	-0.1087	0.2171	0.5141
year_3	0.2471	0.0874	0.0757	0.4185	0.0047
year_4	0.2376	0.0859	0.0692	0.4059	0.0057
Black	-1.1658	1.0371	-3.1985	0.8669	0.261
age	0.0304	0.0023	0.0258	0.035	<.0001
female	0.029	0.0678	-0.1038	0.1618	0.6686
Elixhauser	0.158	0.0231	0.1128	0.2032	<.0001
high school or some college	0.0874	0.7283	-1.3401	1.515	0.9045
bachelor's degree or higher	-0.0615	0.7388	-1.5094	1.3865	0.9337
\$40k-\$99K	0.053	0.1283	-0.1984	0.3043	0.6797
\$>100K	0.0763	0.1405	-0.199	0.3516	0.5871
income unknown	-0.0846	0.1661	-0.4102	0.241	0.6105
east north central	-0.3253	0.1966	-0.7106	0.0599	0.0979
east north central	-0.3822	0.2348	-0.8425	0.0781	0.1036
middle Atlantic	-0.1715	0.226	-0.6145	0.2715	0.448
mountain	-0.4477	0.2115	-0.8621	-0.0332	0.0343
pacific	-0.5823	0.2071	-0.9883	-0.1763	0.0049
south Atlantic	-0.1722	0.186	-0.5368	0.1924	0.3547
unknown	-0.8418	0.3986	-1.6229	-0.0606	0.0347
west north central	-0.4898	0.217	-0.915	-0.0645	0.024
west south central	-0.0745	0.2029	-0.4722	0.3231	0.7133

Supplemental Table 14. Regression Results for Diabetes Screening between Hispanics and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	-2.2196	0.3082	-2.8237	-1.6155	<.0001
year_2	0.3923	0.1177	0.1616	0.623	0.0009
year_3	0.4012	0.1247	0.1569	0.6456	0.0013
year_4	0.4276	0.1262	0.1803	0.6749	0.0007
Hispanic	0.2186	0.2063	-0.1858	0.623	0.2893
age	0.0177	0.0026	0.0127	0.0228	<.0001
female	-0.0155	0.0879	-0.1877	0.1568	0.8603
Elixhauser	0.2498	0.0283	0.1944	0.3052	<.0001
high school or some college	0.2139	0.199	-0.1761	0.604	0.2824
bachelor's degree or higher					
\$40k-\$99K	-0.2795	0.1732	-0.619	0.06	0.1067
\$>100K	-0.4369	0.2073	-0.8432	-0.0306	0.0351
income unknown	-0.2592	0.2188	-0.6879	0.1696	0.2361
east north central	-0.8966	0.2774	-1.4402	-0.3529	0.0012
east north central	-0.9219	0.4028	-1.7113	-0.1324	0.0221
middle Atlantic	-0.4403	0.2945	-1.0175	0.1368	0.1348
mountain	-1.4168	0.2812	-1.968	-0.8657	<.0001
pacific	-0.5981	0.2576	-1.1029	-0.0932	0.0202
south Atlantic	-0.6968	0.2544	-1.1954	-0.1982	0.0062
unknown	-1.0327	0.4993	-2.0113	-0.0541	0.0386
west north central	-0.8999	0.3169	-1.5209	-0.2788	0.0045
west south central	-0.7764	0.2579	-1.2818	-0.2709	0.0026

Supplemental Table 15. Regression Results for Diabetes Screening between Blacks and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	-2.3862	0.2753	-2.9258	-1.8466	<.0001
year_2	0.071	0.1033	-0.1314	0.2734	0.4918
year_3	0.1168	0.1054	-0.0898	0.3233	0.2678
year_4	0.154	0.1078	-0.0573	0.3654	0.1531
Blacks	0.1732	0.1936	-0.2062	0.5526	0.371
age	0.0181	0.0028	0.0128	0.0235	<.0001
female	0.1372	0.0868	-0.033	0.3073	0.1141
Elixhauser	0.2335	0.026	0.1825	0.2846	<.0001
high school or some college	-0.0331	0.1757	-0.3774	0.3112	0.8505
bachelor degree or higher					
\$40k-\$99K	-0.0092	0.1686	-0.3396	0.3212	0.9565
\$>100K	-0.1009	0.1841	-0.4617	0.2598	0.5835
income unknown	-0.0213	0.2145	-0.4417	0.399	0.9207
east north central	-0.4136	0.2128	-0.8306	0.0035	0.0519
east north central	-0.6991	0.2876	-1.2628	-0.1354	0.0151
middle Atlantic	-0.348	0.2507	-0.8393	0.1433	0.165
mountain	-0.5593	0.2404	-1.0306	-0.088	0.02
pacific	-0.5907	0.2301	-1.0416	-0.1398	0.0102
south Atlantic	-0.5966	0.2016	-0.9918	-0.2013	0.0031
unknown	-0.7861	0.4478	-1.6637	0.0914	0.0791
west north central	-0.5667	0.243	-1.043	-0.0904	0.0197
west south central	-0.6478	0.2259	-1.0907	-0.2049	0.0041

Supplemental Table 16. Regression Results for PT/OT between Hispanics and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	-2.6832	0.354	-3.3771	-1.9893	<.0001
year_2	0.1965	0.1526	-0.1025	0.4955	0.1977
year_3	0.4369	0.1539	0.1352	0.7385	0.0045
year_4	0.5019	0.1525	0.203	0.8008	0.001
Hispanics	-0.2587	0.246	-0.7408	0.2234	0.2929
age	0.0042	0.0035	-0.0027	0.011	0.2354
female	0.066	0.1039	-0.1376	0.2696	0.5251
Elixhauser	0.3525	0.0268	0.3001	0.405	<.0001
high school or some college	0.2369	0.2059	-0.1667	0.6405	0.2499
Bachelor's degree or higher	0	0	0	0	.
\$40k-\$99K	0.0239	0.1712	-0.3117	0.3594	0.8891
\$>100K	-0.1776	0.2018	-0.573	0.2179	0.3788
income unknown	0.2006	0.2305	-0.2511	0.6523	0.3841
east north central	-0.1944	0.3158	-0.8133	0.4245	0.5382
east north central	-0.8558	0.4685	-1.7741	0.0625	0.0678
middle Atlantic	-0.4665	0.3608	-1.1736	0.2406	0.196
mountain	-0.4426	0.3202	-1.0702	0.185	0.1669
pacific	-0.8937	0.3188	-1.5185	-0.2688	0.0051
south Atlantic	-0.5429	0.3031	-1.137	0.0512	0.0733
unknown	-1.4757	0.498	-2.4517	-0.4997	0.003
west north central	-0.2735	0.3271	-0.9145	0.3675	0.403
west south central	-0.6483	0.3049	-1.2458	-0.0507	0.0335

Supplemental Table 17. Regression Results for PT/OT between Blacks and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	-3.2201	0.359	-3.9237	-2.5165	<.0001
year_2	0.1456	0.1356	-0.1202	0.4115	0.2829
year_3	0.3496	0.1361	0.0829	0.6163	0.0102
year_4	0.3496	0.1435	0.0683	0.6309	0.0149
Blacks	0.1162	0.2223	-0.3195	0.5518	0.6012
age	0.0149	0.0034	0.0082	0.0217	<.0001
female	0.0919	0.0932	-0.0908	0.2745	0.3243
Elixhauser	0.2667	0.0238	0.22	0.3133	<.0001
High school or some college	0.4231	0.1898	0.051	0.7951	0.0258
Bachelor's degree or higher	0	0	0	0	.
\$40k-\$99K	0.2155	0.188	-0.1529	0.5839	0.2515
\$>100K	0.0888	0.2137	-0.3299	0.5076	0.6776
income unknown	0.264	0.2392	-0.2049	0.7329	0.2698
east north central	-0.1036	0.2445	-0.5827	0.3756	0.6719
east north central	-0.4594	0.3263	-1.0989	0.1801	0.1592
middle Atlantic	-0.5521	0.3077	-1.1552	0.051	0.0728
mountain	-0.8347	0.3126	-1.4474	-0.222	0.0076
pacific	-0.8678	0.3002	-1.4562	-0.2794	0.0038
south Atlantic	-0.6724	0.2378	-1.1385	-0.2064	0.0047
unknown	-0.5664	0.8129	-2.1597	1.0269	0.4859
west north central	-0.335	0.2744	-0.8728	0.2028	0.2221
west south central	-0.6356	0.2567	-1.1387	-0.1326	0.0133

Supplemental Table 18. Regression Results for Bone Density Screening between Hispanics and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	-7.3811	0.6606	-8.6758	-6.0864	<.0001
year_2	0.3496	0.2847	-0.2084	0.9076	0.2195
year_3	0.8691	0.2317	0.415	1.3232	0.0002
year_4	0.7995	0.274	0.2626	1.3365	0.0035
Hispanic	0.4615	0.3732	-0.27	1.1929	0.2163
age	0.0501	0.005	0.0402	0.0599	<.0001
female	1.8815	0.2108	1.4682	2.2947	<.0001
Elixhauser	0.0711	0.0301	0.0121	0.13	0.0182
high school or some college	0.1589	0.2535	-0.338	0.6558	0.5309
bachelor's degree or higher	0	0	0	0	.
\$40k-\$99K	0.521	0.2388	0.0529	0.9891	0.0291
\$>100K	0.4526	0.2843	-0.1047	1.0098	0.1115
income unknown	-0.5016	0.4237	-1.332	0.3288	0.2365
east north central	-0.921	0.4644	-1.8312	-0.0108	0.0473
east north central	-0.7746	0.6534	-2.0553	0.5062	0.2359
middle Atlantic	-0.0986	0.4518	-0.9841	0.7868	0.8272
mountain	-0.5705	0.4353	-1.4237	0.2827	0.19
pacific	-1.3089	0.4236	-2.1393	-0.4786	0.002
south Atlantic	-0.3193	0.4148	-1.1323	0.4936	0.4413
unknown	-0.5232	0.7332	-1.9603	0.9139	0.4755
west north central	-0.3581	0.5229	-1.383	0.6667	0.4934
west south central	-0.1345	0.4103	-0.9387	0.6696	0.743

Supplemental Table 19. Regression Results for Bone Density Screening between Blacks and Whites

Parameter	Estimate	STD Err	95% Confidence Limits		P Value
intercept	-7.7731	0.5864	-8.9224	-6.6238	<.0001
year_2	0.0513	0.232	-0.4034	0.5059	0.8251
year_3	-0.1677	0.2056	-0.5706	0.2352	0.4145
year_4	0.0513	0.2081	-0.3566	0.4591	0.8054
Hispanic	-0.1812	0.3749	-0.9159	0.5535	0.6289
age	0.0528	0.0047	0.0437	0.0619	<.0001
female	1.9587	0.2072	1.5527	2.3647	<.0001
Elixhauser	0.0312	0.0341	-0.0356	0.0981	0.3593
high school or some college	-0.0037	0.2734	-0.5397	0.5322	0.9891
Bachelor's degree or higher	0	0	0	0	.
\$40k-\$99K	0.3629	0.2652	-0.1568	0.8827	0.1711
\$>100K	0.4041	0.3362	-0.2549	1.0631	0.2294
income unknown	0.505	0.3397	-0.1607	1.1707	0.1371
east north central	-0.0455	0.4297	-0.8876	0.7967	0.9157
east north central	0.364	0.5068	-0.6293	1.3574	0.4726
middle Atlantic	-0.0432	0.4745	-0.9731	0.8868	0.9275
mountain	0.5657	0.4262	-0.2697	1.4011	0.1844
pacific	-0.3047	0.4588	-1.2038	0.5944	0.5066
south Atlantic	0.3731	0.3881	-0.3876	1.1338	0.3364
unknown	0.5732	0.8289	-1.0514	2.1979	0.4892
west north central	0.2729	0.4569	-0.6225	1.1684	0.5503
west south central	0.6879	0.4195	-0.1344	1.5102	0.1011