Apendix Exhibit 1. Complete List of Low-Value Health Care Services Assessed in this Study

Common Treatments

Don't indiscriminately prescribe antibiotics for uncomplicated acute rhinosinusitis.

Don't order antibiotics for adenoviral conjunctivitis (pink eye).

Don't prescribe oral antibiotics for uncomplicated acute external otitis.

Don't prescribe oral antibiotics for uncomplicated acute tympanostomy tube otorrhea.

Don't prescribe or recommend cough and cold medicines for respiratory illnesses in children under four years of age.

Diagnostic Testing

Don't do imaging for low back pain within the first six weeks, unless red flags are present.

Don't do imaging for uncomplicated headache.

Don't obtain brain imaging studies (CT or MRI) in the evaluation of simple syncope and a normal neurological examination.

Don't order computed tomography (CT) scan of the head/brain for sudden hearing loss.

Don't perform a postcoital test (PCT) for the evaluation of infertility.

Don't perform advanced sperm function testing, such as sperm penetration or hemizona assays, in the initial evaluation of the infertile couple. Don't perform electroencephalography (EEG) for headaches.

Don't perform imaging of the carotid arteries for simple syncope without other neurologic symptoms.

Don't perform stress cardiac imaging or advanced non-invasive imaging in the initial evaluation of patients without cardiac symptoms unless highrisk markers are present.

Don't perform unproven diagnostic tests, such as immunoglobulin G (IgG) testing or an indiscriminate battery of immunoglobulin E (IgE) tests, in the evaluation of allergy.

Don't routinely do diagnostic testing in patients with chronic urticaria.

Don't routinely obtain radiographic imaging for patients who meet diagnostic criteria for uncomplicated acute rhinosinusitis.

Don't use coronary artery calcium scoring for patients with known coronary artery disease (including stents and bypass grafts).

Don't order CT scans of the abdomen and pelvis in young otherwise healthy emergency department patients (age <50) with known histories of kidney stones, or ureterolithiasis, presenting with symptoms consistent with uncomplicated renal colic.

Don't perform computed tomography scans on children being treated for headache.

Don't perform Neuroimaging (CT, MRI) in a child with simple febrile seizure.

Don't perform routine head CT scans for emergency room visits for severe dizziness.

Disease Approach

Don't schedule elective, non-medically indicated inductions of labor or Cesarean deliveries before 39 weeks, 0 days gestational age. Don't perform an arthroscopic knee surgery for knee osteoarthritis.

Don't prescribe antidepressants as monotherapy in patients with bipolar I disorder.

Don't prescribe nonsteroidal anti-inflammatory drugs (NSAIDS) in individuals with hypertension or heart failure or kidney disease of all causes, including diabetes.

Preoperative evaluation

Don't obtain baseline diagnostic cardiac testing or cardiac stress testing in asymptomatic stable patients with known cardiac disease undergoing low or moderate risk non-cardiac surgery.

Don't obtain baseline laboratory studies in patients without significant systemic disease (ASA I or II) undergoing low-risk surgery

Don't obtain EKG, chest X rays or Pulmonary function test in patients without significant systemic disease (ASA I or II) undergoing low-risk surgery.

Routine FU/Monitoring

Don't perform echocardiography as routine follow-up for mild, asymptomatic native valve disease in adult patients with no change in signs or symptoms.

Don't perform MRI of the peripheral joints to routinely monitor inflammatory arthritis.

Don't perform routine annual stress testing after coronary artery revascularization.

Don't perform radionuclide imaging as part of routine follow-up in asymptomatic patients

Screening Tests

Don't obtain screening exercise electrocardiogram testing in individuals who are asymptomatic and at low risk for coronary heart disease.

Don't order annual electrocardiograms (EKGs) or any other cardiac screening for low-risk patients without symptoms.

Don't perform Pap smears on women with previous hysterectomy

Don't perform Pap smears on women younger than 21

Don't perform population based screening for 25-OH-Vitamin D deficiency

Don't perform routine annual cervical cytology screening (Pap tests) in women 21–65 years of age.

Don't perform routine general health checks for asymptomatic adults

Don't screen women older than 65 years of age for cervical cancer who have had adequate prior screening and are not otherwise at high risk for cervical cancer.

Don't use dual-energy x-ray absorptiometry (DEXA) screening for osteoporosis in women younger than 65 or men younger than 70 with no risk factors.

Don't order unnecessary screening for colorectal cancer in adults younger than age 50 years.

Don't perform PSA-based screening for prostate cancer in all men regardless of age.

Appendix Exhibit 2. M	easure Specifications for the Top 5 Highe	st volume Examples of Low Value			
			Operational Definition		
Measure	Denominator	Exclusions	Not Wasteful	Potentially Wasteful	Wasteful
	labs in patients without significant syste		urgery – specifically complete blo	ood count, basic or comprehens	ive metabolic panel, coagulation
studies when blood lo	ss (or fluid shifts) is/are expected to be r				
	All baseline laboratory services	-	Members who had a urinalysis	None	All baseline laboratory services
	associated with a low-risk	risk surgery (Table B) falls on or	and a urologic procedure		associated with a low-risk
	surgery within 30 days on or	1 day after the E&M visit for	within 30 days after the		surgery within 30 days on or
	after the baseline laboratory	emergency care, observation	baseline laboratory testing;		after the baseline laboratory
	service.	or urgent care visit.	OR		service and not assigned to No
			Members who had a urinalysis		wasteful or Likely wasteful
		2) All electrolyte testing	and a diagnosis of urinary		category.
		laboratory related services and	symptoms or disorders within		
		prescription of medications	30 days prior to or on the day		
		such as digoxin, diuretics and	of the baseline laboratory		
		angiotensin converting enzyme	testing.		
		inhibitors or angiotensin			
		receptor blockers.			
		3) All services with a diagnosis			
		of endocrine, liver or renal			
		disorders.			
		4) CBC testing related services			
		and a diagnosis of anemia or			
		history suggestive of recent			
		blood loss in the last 6 months			
		prior to the CBC testing.			
		5) Coagulation testing related			
		services in those with a			
		diagnosis of coagulation			
		disorders up to 2 years prior to			
		the coagulation testing event			
		or on anticoagulant			
		medications 3 months prior to			
		the coagulation testing.			
	Baseline laboratory service	E&M visit codes (99217, 99218,	Urinalysis codes (81000-81015)		
	codes (80047, 80048, 80050,	99219, 99220, 99224, 99225,			
	80051, 80053, 81000-81003,	99226, 99281, 99282, 99283,	Urologic procedure codes		
	81005, 81007, 81020, 81050,	99284, 99285) or (Revenue	(50951-50955, 50970-50980,		
	81099, 82040, 82247, 82310,	codes -0516, 0762, 0450, 0452,			
	82330, 82374, 82435, 82565,	0459, 0981)	52204, 52282, 52327, 52330,		
	82947, 82948, 82950-82953,		52351-52355, 52402, 53855)		
	84075, 84132, 84155, 84295,	Electrolyte testing codes			
	84450, 84460, 85002, 85014,	(82374, 82435, 84132, 84295,	ICD-10 diagnosis codes for		
	85018, 85025, 85027, 85032,	82435, 80047, 80048, 80050,	Urinary symptom (A02.25,		
	85049, 85055, 85610, 85611,	80051, 80053)	A06.81, A18.14, A56.01, N10-		
	85730, 85732, 95250, 95251,		N13.9, N15.1, N15.9, N16,	1	

G0306,G0307).	GPI codes for medications	N20.0-N21.9, N22, N23, N28.0,	
	(37990002, 37600060,	N28.1, N28.81- N28.9, N29,	
Low-risk surgery codes	37992008, 36994002,	N30.00-N30.91, N31.0-N37,	
available in the embedded	37200020, 36993002,	N39.0-N42.9, N51, N99.110-	
excel file.	37992005, 37500010,	N99.518, O86.20- O86.29,	
	36150080, 36150010,	R30.0- R39.9, R80.2	
	36150020, 96485821,		
	37600020, 36150024,		
	37500020, 36150070,		
	37100010, 37900030,		
	37400010, 37600050,		
	31200010, 37600040,		
	37500030, 37600025,		
	37200080, 37600055,		
	36150040, 37600010,		
	36994503, 37100030,		
	36996502, 36150030,		
	37400030, 37992004,		
	37200030, 37200010,		
	36150055)		
	ICD-10 Diagnosis for endocrine,		
	liver or renal disorders (E08-		
	E11, E13, E16, E20-E32, E34,		
	E35, E89, K70-K77, K80-K83,		
	K87, K91, M32.14, M32.15,		
	M35.04, N00-N08, N11, N14-		
	N19, N25- N27)		
	CBC testing codes (85014,		
	85018, 85025, 85027, 85032,		
	G0306, G0307)		
	ICD-10 diagnosis of anemia or		
	history suggestive of recent		
	blood loss (C96.6, D50.0-		
	D76.3, I85.01, I88.0- I88.9,		
	K27.0, K27.2, K92.0, K92.1,		
	K92.2, R58, Z83.2)		
	Coagulation testing codes		
	(85002, 85049, 85055, 85610,		
	85611, 85730, 85732)		
	ICD-10 diagnosis codes for		
	coagulation disorders (D65-		
	D69.9)		
	GPI codes for anticoagulant		
	medications (83337030,		
	83337015, 83101010,		
	83400030, 83100020,		
	83370060, 83370030,		
	83200030, 83400032,		

	1		1		,
		83101080, 83103030,			
		83334050, 83334020,			
		83400080, 83400020,			
		83334030, 83370010,			
		83101020)			
Don't indiscriminately prescribe	e antibiotics for uncomplicated a				
	All sinus imaging services	1) Inpatient admission 30 days	Sinus or head CT imaging with	Sinus or head CT imaging with	All sinus imaging services
	within 30 days of an E&M visit	prior to the sinus imaging	a diagnosis of chronic sinusitis	a diagnosis of acute	within 30 days of an E&M visit
	with a diagnosis of sinusitis.	service.	30 days prior to or on the day	immunodeficiency or acute	with a diagnosis of sinusitis and
			of the sinus/head CT imaging	frontal or sphenoidal sinusitis	not assigned to Not wasteful or
		2) Presence of competing	service;	and within 180 days prior to	Likely wasteful category.
		diagnosis 30 days prior to the	OR	the E&M visit with a diagnosis	
		sinus imaging service.	presence of diagnosis codes for	of sinusitis.	
			acute or recurrent sinusitis on		
			3 different from dates within		
			one year prior to or on the day		
			of the sinus/head CT imaging		
			service; OR		
			Sinus CT/MRI imaging with a		
			diagnosis for complicated rhino		
			sinusitis within 180 days prior		
			to or on the day of the Sinus		
			CT/MRI imaging service.		
	Sinus imaging procedure codes	Revenue codes for inpatient	Procedure codes for sinus or	Procedure codes for sinus or	
	(70210, 70220, 70486, 70487,	admissions (0024-0169, 0200-	head CT (70486, 70487, 70450,	head CT (70486, 70487, 70450,	
	70488, 70450, 70460, 70470,	0219)	70460) or revenue code 0351	70460) or revenue code 0351	
	70540, 70542, 70543) or	,	ICD-10 diagnosis code for	ICD-10 diagnosis codes for	
	revenue code 0351	ICD-10 diagnosis codes for	chronic sinusitis (J32.0 -J32.9)	acute immunodeficiency or	
		competing diagnosis (A881,	ICD-10 diagnosis code for	acute frontal or sphenoidal	
	E&M visit codes (99201, 99202,	G43, G44, H81, H83.93, H90,	acute or recurrent sinusitis	sinusitis (D80, D81.9, D81.89,	
	99203, 99204, 99205, 99211,	H91, I69.998, R42, R51, R55)	(J01.00, J01.10, J01.20, J01.30,	D81.0, D81.1, D81.2, D81.6,	
	99212, 99213, 99214, 99215,	· · · ·	J01.40, J01.90, J01.01, J01.11,	D81.7, D84.9, D84.8, D8.982,	
	99241, 99242, 99243, 99244,		J01.21, J01.31, J01.41, J01.81,	D89.89, D89.813, D89.810,	
	99245, 99281, 99282, 99283,		J01.91)	D89.811, D89.812, D84.1,	
	99284, 99285, S9083, S9088,			D82.2, D82.3, D82.4, D82.8,	
	G0463, T1015)		Procedure codes for sinus	D82.9, D84.0, D89.3, M35.9,	
	Revenue codes for E&M visit		CT/MRI (70486, 70487, 70488,	D89.9, J01.10, J01.30	
	(0510, 0511, 0515, 0517, 0519,		70450, 70460, 70540, 70542)		
	0520, 0521, 0522, 0523, 0526,		or revenue code 0351		
	0529, 0516, 0450, 0452, 0459)		ICD-10 diagnosis codes for		
			complicated sinusitis (A01.01,		
	ICD-10 diagnosis codes for		B45.1, B48.8, B49, D86.81,G00,		
	Sinusitis (J01.XX, J069,		G01-G08, G37.4, G52.0, G92,		
	T701XXD, T701XXA)		H00.031-H00.039, H05.011-		
			H05.029, H05.20, H57.8,		
			H70.011-H70.229, I63.30-		
			1636,163.8, 163.9, 166.01-166.9,		
			167.6, J33.0, J33.8, J33.9, J34.1,		
			R22.0, R90.0)		

	All cervical cancer screening related service .	Any member with a diagnosis of HIV as far back as possible in claims data	Female >21 years of age and diagnosis of high risk conditions for developing cervical cancer (Table C); OR gynecologic malignancy or dysplasia and as far back as possible prior to the cervical cancer screening service; OR Female >21 years of age and diagnosis codes for abnormal Pap smear findings within 3 years on or prior to cervical cancer screening service;	a diagnosis of potential cervical cancer risk conditions within	All cervical cancer screening related service and not assigned to Not wasteful or Likely wasteful category.
r	related service .	-	conditions for developing cervical cancer (Table C); OR gynecologic malignancy or dysplasia and as far back as possible prior to the cervical cancer screening service; OR Female >21 years of age and diagnosis codes for abnormal Pap smear findings within 3 years on or prior to cervical	cancer risk conditions within 14 days prior to or on the day of the cervical cancer screening	assigned to Not wasteful or
		claims data	cervical cancer (Table C); OR gynecologic malignancy or dysplasia and as far back as possible prior to the cervical cancer screening service; OR Female >21 years of age and diagnosis codes for abnormal Pap smear findings within 3 years on or prior to cervical	14 days prior to or on the day of the cervical cancer screening	-
			OR gynecologic malignancy or dysplasia and as far back as possible prior to the cervical cancer screening service; OR Female >21 years of age and diagnosis codes for abnormal Pap smear findings within 3 years on or prior to cervical	of the cervical cancer screening	Likely wasteful category.
			dysplasia and as far back as possible prior to the cervical cancer screening service; OR Female >21 years of age and diagnosis codes for abnormal Pap smear findings within 3 years on or prior to cervical	-	
			possible prior to the cervical cancer screening service; OR Female >21 years of age and diagnosis codes for abnormal Pap smear findings within 3 years on or prior to cervical	service.	
			cancer screening service; OR Female >21 years of age and diagnosis codes for abnormal Pap smear findings within 3 years on or prior to cervical		
			OR Female >21 years of age and diagnosis codes for abnormal Pap smear findings within 3 years on or prior to cervical		
			Female >21 years of age and diagnosis codes for abnormal Pap smear findings within 3 years on or prior to cervical		
			diagnosis codes for abnormal Pap smear findings within 3 years on or prior to cervical		
			Pap smear findings within 3 years on or prior to cervical		
			years on or prior to cervical		
			cancer screening service;		
			-		
		1	OR		
			Female 21-64 years of age who		
			had cervical cytology once in 3		
			years and no history of total		
			hysterectomy;		
			OR		
			Female 30-64 years of age who		
			had cervical cytology testing		
			along with HPV testing once in		
			5 years and no history of total		
			hysterectomy.		
	Procedure codes for cervical	ICD-10 diagnosis codes for HIV	ICD-10 diagnosis codes for high	ICD-10 diagnosis codes for	
	cancer screening (87623,	(B20, Z21)	risk conditions for developing	potential cervical cancer risk	
	38155, 87620, 87621, 87622,		cervical cancer (A63.0, B07.8,	conditions (A51.0, A51.1,	
	87624, 87625, 88141, 88142,		807.9, 897.7, D80.0, D80.1,	A51.31, A51.42, A51.5, A51.9,	
	88143, 88147, 88148, 88150,		D80.2, D80.3, D80.4, D80.5,	A54.00, A54.01, A54.02,	
	88152, 88153, 88154, 88164,		D80.6, D80.7, D80.8, D80.9,	A54.03, A54.09, A54.1, A54.21,	
	38165, 88166, 88167, 88174,		D81.0, D81.1, D81.2, D81.4,	A54.24, A54.29, A55, A56.00,	
	38175, G0123, G0124, G0141,		D81.6, D81.7, D81.89, D81.9-	A56.01, A56.02, A56.09,	
	G0143, G0144, G0145, G0147,		D82.4, D82.8-D83.2, D83.8-	A56.11, A56.19, A56.2, A56.3,	
	G0148, G0476, P3000, P3001,		D84.1, D84.8, D84.9, D89.3,	A56.8, A57, A58, A59.00,	
	20091) Dougous codo for comised		D89.810, D89.811, D89.812,	A59.01, A59.03, A59.09, A59.8,	
	Revenue code for cervical		D89.813, D89.82, D89.89,	A59.9, A60.00, A60.02- A60.04,	
	cancer screening -0923		D89.9, M35.9, Z22.6	A60.09, A60.1, A60.9, A63.0,	
	OINC codes for cervical cancer		ICD-10 diagnosis codes for	A63.8, A64, N72, N76.81, N89.7, N89.8, N92.5, N92.6,	
	screening (10524-7, 18500-9,		gynecologic malignancy or		
	19762-4, 19764-0, 19765-7, 19766-5, 33717-0, 47527-7,		dysplasia (C51.0- C51.2, C51.8,	N93.0, N93.8)	
			C51.9, C52, C53.0, - C55, C56.2,		
	47528-5, 19774-9, 21440-3,		C56.9, -C57.02, C57.10- C57.12,		
	30167-1, 38372-9, 49896-4,		C57.20-C57.22, C57.3, C57.4,		
5	59420-0, 75406-9, 75694-0)		C57.7, C57.8, C57.9, C76.3,		
			C79.60-C79.62, C79.82, D06.0,		
			D06.1, D06.7, D06.9- D39.0,		
			D391.0- D39.12, D39.8, D39.9,		

N89.3, N90.0, N90.1, Z85.40-	
Z85.44, Z87.410- Z87.412)	
ICD diagnosis codes for	
abnormal Pap smear findings	
(R87.610-R87.614, R87.616-	
R87.624, R87.628, R87.810,	
R87.811, R87.820, R87.821)	
Procedure codes for cervical	
cytology (88141-88155, 88164-	
88167, 88174, 88175, G0123,	
G0124, G0141, G0143, G0144,	
G0145, G0147, G0148, P3000,	
P3001, Q0091)	
Revenue code for cervical	
cytology-0923	
LOINC codes for cervical	
cytology (10524-7, 18500-9,	
19762-4, 19764-0, 19765-7,	
19766-5, 33717-0, 47527-7,	
47528-5, 19774-9)	
Procedure codes for total	
hysterectomy (58150, 58152,	
58200, 58210, 58240, 58260,	
58262, 58263, 58267, 58270,	
58275, 58280, 58285, 58290,	
58291, 58292, 58293, 58294,	
58550, 58552, 58553, 58554,	
58570, 58571, 58572, 58573,	
58951, 58953, 58954, 58956,	
59525, 58548, 51925, 57540,	
57545, 57550, 57555, 57556)	
Procedure codes for HPV	
testing (87623, 87624, 87625,	
G0476, 87620, 87621, 87622)	
LOINC codes for HPV testing	
(21440-3, 30167-1, 38372-9,	
49896-4, 59420-0, 75406-9,	
75694-0)	

Don't perform population based screening for 25-OH-Vitamin D deficiency							
	All vitamin-D testing service.	None	Members who had 25-OH-	None	All vitamin-D testing service		
			vitamin D screening and		not assigned to Not Wasteful		
			diagnosis of chronic conditions		or Likely Wasteful category.		
			within 1 year on or prior to the				
			testing;				
			OR				

	Members who had 25-OH-	
	vitamin D screening and	
	diagnosis of risk factors within	
	90 days on or prior to the	
	testing;	
	OR	
	Members who had 25-OH-	
	vitamin D screening and NDC	
	codes for high risk medications	
	within 90 days on or prior to	
	the testing;	
	OR	
	Members who had 25-OH-	
	vitamin D screening and	
	diagnosis of pregnancy and	
	obesity on the day of the	
	testing;	
	OR	
	Members who had 25-OH-	
	vitamin D screening and	
	diagnosis of falls and non-	
	traumatic fracture within 1	
	year on or prior to the testing;	
	OR	
	Members who had 1, 25-	
	(OH)2-vitamin D screening and	
	diagnosis of inherited or	
	acquired disorders of vitamin D	
	and phosphate metabolism	
	within 90 days on or prior to	
	the testing.	
Procedure codes for vitamin D	Procedure code for 25-OH-	
testing (82306, 82652)	vitamin D testing (82306)	
	ICD-10 diagnosis codes for	
	chronic conditions (E55.0,	
	E55.9, E64.3, M83, N18,	
	K72.00, E84.11, E84.19, E84.8,	
	E84.9, K50, K51, K52.0, Z98.84,	
	K70.30, K74.0, K74.60, K74.69,	
	K74.3, K74.4, K74.5, E83.51,	
	E83.52, E67.3, E67.8, Q78.0,	
	Q78.2, M32.10, M33.90,	
	M88.9, Z79.891, Z79.899,	
	G73.7, L40.0-L40.4, L40.50-	
	L40.59, L40.8, L40.9, E21.0-	
	E21.5, Z79.51, Z79.52, K90.0-	
	K90.4, K90.89, K90.9, K72.01,	
	K76.2, K70.31, K70.2, K74.1,	
	K74.2, K76.89, K76.0, K75.81,	
	К72.91, К72.11, К70.41,	

K71.11, K72.90, K91.2, N25.1,
E20.9, E20.0, E20.8, E89.2,
M83.3, E84.0, E66.2, E67.2,
E68, L41.9, L41.0, L41.1, L41.8,
L41.3-L41.5, L94.5, M89.9,
M94.9, M85.9, M32, M33,
M36.0, M88, M81, M80)
ICD-10 diagnosis codes for risk
factors (D86, A15, A17, A18,
A19, B39, B38, J63, C81, C82,
C83, E44.0, E83, G40, C84, C85,
C86, C96, C88, C91)
GPI for high risk medications
(72600030, 22100045,
72600040, 22100030,
22109903, 72550060,
72600057, 72500030,
11000030, 72600043,
72500010, 72600046,
22100040, 22100015,
22100020, 12109902,
72200030, 12104530,
12104580, 12108070,
39100010, 72200013,
12103060, 12109020,
12109050, 11000010,
72500020, 12108570,
11407035, 72600065,
22100025, 12109035,
72170070, 12109903,
22109902, 39100016,
12104585, 12104545,
12108085, 72100010,
72600020, 11000060,
72600075, 72600060,
22100010, 11407015,
12104520, 11404040,
72200010, 72100007,
11000080, 72600090,
12105015, 22100050,
72996002, 12109030,
11407080, 12106060,
39100020, 12104560,
72120020, 11404050,
72100030, 12106085,
72600024, 12102530,
72400020, 12104515,
12104525, 12105005,
11000020, 22100012,
11407060, 12102060,

7700022 42404540
72600036, 12104510,
12109904, 72400010,
12106030, 72170085,
11407030, 11500010,
12103015, 11500025,
12109530, 72600026,
11500050, 12109080,
12103020, 72600015,
22109904)
ICD-10 diagnosis codes for
pregnancy and obesity (O02,
003, 069, 004, 007, Z33, 008,
A34, O20, O44, O45, O46, O67,
010, 011, 013, 016, 014, 015,
021, 060, 047, 048, 012, 026,
090, 023, 099, 029, 098, 024,
O33, O9A, O25, O34, O75, O80,
030, 031, 032, 064, 066, 065,
036, 035, 040, 041, 042, 061,
009, 076, 062, 063, 043, 070,
071, 072, 073, 074, 082, 234,
Z32, Z36, E66, Z68, O01, P50,
068, 077, 000)
ICD-10 diagnosis codes for falls
and non-traumatic fracture
(Z9181, Z87311, Z87310)
Procedure codes of 1, 25-
(OH)2-vitamin D screening
(82652)
ICD-10 diagnosis codes for
inherited or acquired disorders
of vitamin D and phosphate
metabolism (D86, A15, A17,
A18, A19, B39, B38, J63, C81,
C82, C83, E44, E83, C84, C85,
C86, C96, C88, C91, M83, N18)

Don't order annual electrocardiograms (EKGs) or any other cardiac screening for low-risk patients without symptoms.							
	All members 18 years and	1) All members who had a	EKG in those with a diagnosis	Age > 40 years and having 1 or	All members 18 years and		
	older with an	coronary angiography or a pre-	codes of cardiac symptoms	more diagnosis codes for	older with an		
	electrocardiograms (EKG)	operative cardiac screening on	within 60 days prior to or on	diabetes mellitus or	electrocardiograms (EKG)		
	testing related service within	the day of the EKG service.	the day of the EKG service.	hypertension or hyperlipidemia	testing related service within		
	14 days of an E&M visit.			or obesity or	14 days of an E&M visit and		
		2) All members who had a low-		coronary artery disease or	not assigned to Not wasteful or		
		risk surgery within 30 days on		peripheral artery disease	Likely wasteful category.		
		or after the EKG service.		and within 14 days from the			
				E&M visit to the day of the EKG			
		3) All members who had a		service.			
		PCI/CABG/Valve Surgery within					
		30 days on or after the EKG					

	service.			
	Service.			
	4)All members who had an			
	inpatient admissions within 14			
	days from the E&M visit to the			
	day of the EKG service.			
Procedure codes for EKG	Coronary angiography	ICD-10 diagnosis codes for	ICD-10 diagnosis codes for	
(93000, 93005, 93010, 93040-	procedure codes (93454,	-	diabetes mellitus (E08-E13)	
93042, 93224- 93229, 93268,	93455, 93456, 93458, 93459,	M79.622, R00.0, R00.2, R00.8,		
93270- 93272, 93278, G0403-	93460, 93461)	R00.9, R01.1, R01.2, R06.00-	ICD-10 diagnosis for	
G0405)		R06.09, R06.2-R06.4, R06.81,	hypertension (I10-I16)	
	code (Z01810)	R06.82, R06.89, R06.9, R07.1,		
E&M visit codes (99201, 99202,		R07.2, R078.1-R07.89, R07.9,	ICD-10 diagnosis codes for	
99203, 99204, 99205, 99211,	Low-risk surgery codes in the	R09.89, R42, R53.1, R53.81,	hyperlipidemia (E78)	
99212, 99213, 99214, 99215,	embedded excel.	R53.83, R55, R57.0, R57.1,		
99241, 99242, 99243, 99244,		R57.8, R60.9, R68.84)	ICD-10 diagnosis codes for	
99245, 99281, 99282, 99283,	PCI/CABG/Valve Surgery	10,10,100.0,100.04	obesity (E66, Z68)	
99284, 99285)	procedure codes (92920-			
Revenue codes for E&M visit	92938, 92943, 92944, 92978,		ICD-10 diagnosis codes for	
codes (0510, 0517, 0519, 0520,	92979, 33510-33519, 33521-		coronary artery disease (125,	
0521, 0522, 0523, 0529, 0982,	33523, 33530, 33533-33536,		Z951, Z955, Z9861)	
0983, 0985, 0450, 0452, 0459,	35452, 35472, 92973, 92941,			
0981)	G0290, G0291, C9600- C9608,		ICD-10 diagnosis codes for	
0.001	33503, 33504, 92986, 92987,		peripheral artery disease (170,	
	92990, 33404- 33406, 33410-		17389, 1739)	
	33420, 33422, 33425-33427,		1,202,1722	
	33430, 33460, 33463-33465,			
	33468, 33470-33472, 33474-			
	33478, 33496, 33361- 33369,			
	33600, 33602, 0258T, 0259T,			
	0318T, 33390, 33391, S2205-			
	S2209)			
	322031			
	Revenue codes for inpatient			
	admissions (0024-0169, 0200-			
l	0219)			