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(12) **United States Design Patent**
Hart

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(54) **CODING MATRIX TOOL**

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(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: **14 Years**

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(52) **U.S. Cl.**
USPC **D19/1**

(58) **Field of Classification Search**

USPC D19/1-12, 20-34; 206/449, 232, 494;
40/124.01-124.15, 672, 776, 726;
229/72, 92, 92.1, 300-303, 87.06,
229/87.08, 87.14; 281/2-5, 16, 22, 51;
705/3; 283/2-3, 115, 900, 74-75, 103,
283/105-106; 428/42.3; D9/703, 707, 709,
D9/713, 424, 414, 720, 418, 416; 426/106;
222/92, 107; 383/127, 106-108, 901,
383/200, 203, 207, 210; D20/10, 22, 40,
D20/42, 11; D3/303, 203.1
CPC .. B42D 15/022; B42D 15/042; B42D 15/045;
B42D 15/027; B42D 1/00; B42D 25/29;
B42D 25/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D400,919 S 11/1998 Pickel
D414,574 S 9/1999 Chen

(Continued)

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(57) **CLAIM**

The ornamental design for a coding matrix tool, as shown and described.

DESCRIPTION

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FIG. 1 is a first front perspective view of the coding matrix tool, in an unfolded configuration showing my new design;

FIG. 2 is a second rear perspective view thereof;

FIG. 3 is a front elevation view of a first matrix sheet or panel thereof;

FIG. 4 is a front elevation view of a second matrix sheet or panel thereof;

FIG. 5 is a front elevation view of a third matrix sheet or panel thereof;

FIG. 6 is a front elevation view of a fourth matrix sheet or panel thereof;

FIG. 7 is a front elevation view of a fifth matrix sheet or panel thereof;

FIG. 8 is a rear elevation view of a sixth matrix sheet or panel thereof;

FIG. 9 is a rear elevation view of a seventh matrix sheet or panel thereof;

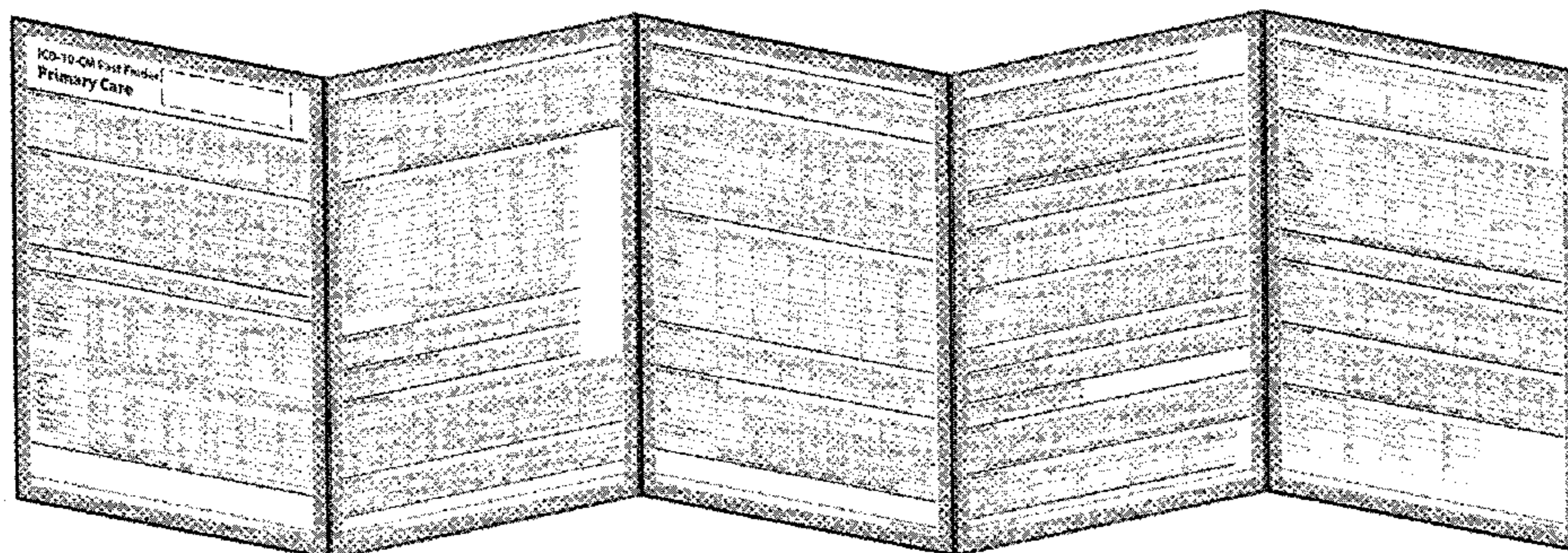
FIG. 10 is a rear elevation view of an eighth matrix sheet or panel thereof;

FIG. 11 is a rear elevation view of a ninth matrix sheet or panel thereof; and,

FIG. 12 is a rear elevation view of a tenth matrix sheet or panel thereof.

The broken lines in the figures represent portions of the coding matrix tool and form no part of the claimed design.

1 Claim, 12 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D432,570 S 10/2000 Donaldson
D555,724 S 11/2007 Brodie
D600,746 S 9/2009 Kudimi
D602,167 S 10/2009 Coyne, III et al.

D650,009 S 12/2011 Tetrault
D662,976 S 7/2012 Tetrault
D664,195 S 7/2012 Rosenthal et al.
D677,329 S 3/2013 Rosenthal et al.
D686,660 S 7/2013 Wang
D687,486 S 8/2013 Worthington et al.
D719,213 S * 12/2014 Hart D19/1

* cited by examiner

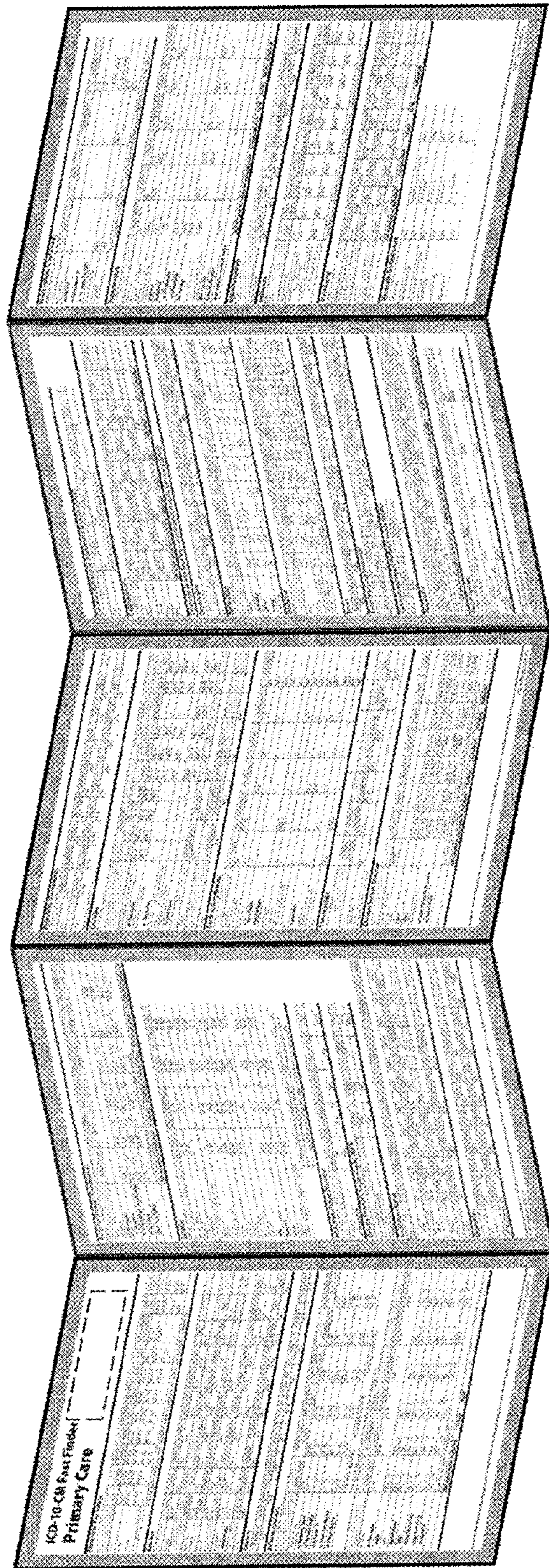


Fig. 1

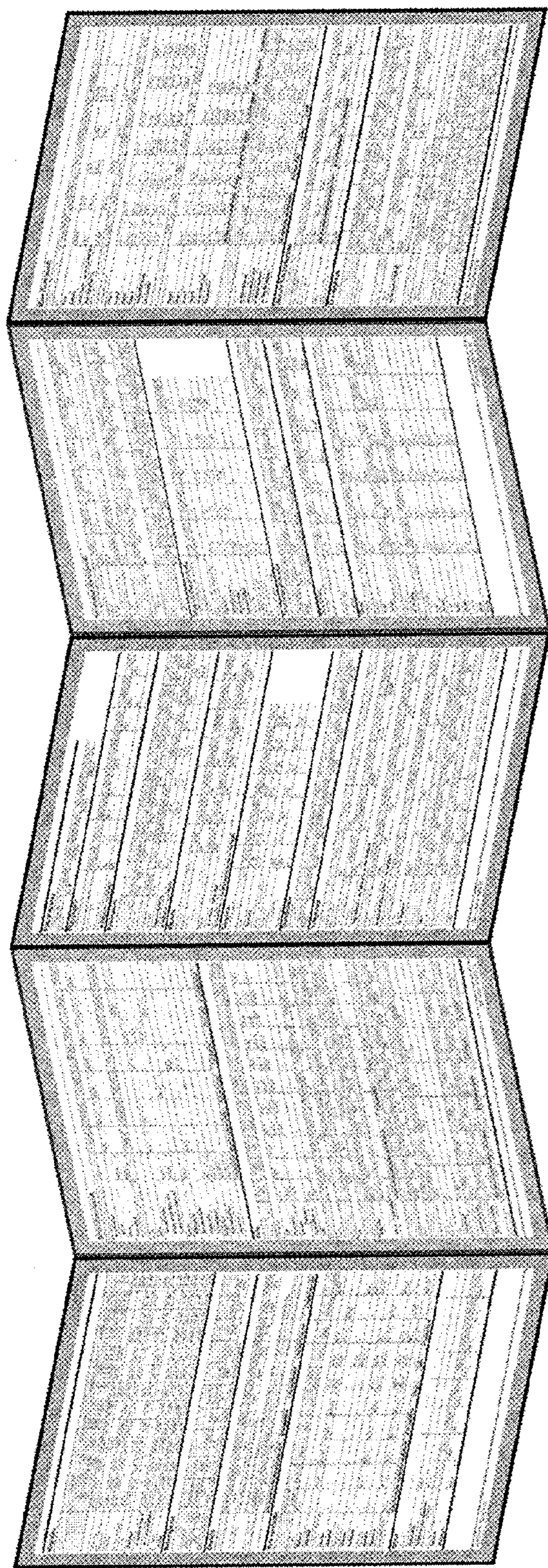


Fig. 2

ICD-10-CM Fast Finder Primary Care

Abnormal Pap Smear

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Atypical	R85.611	R85.610	R85.614	R85.613	R85.61	R85.62	R85.615	R85.612	R85.616	R85.618	R85.619
Low-grade	R87.611	R87.610	R87.614	R87.613	R87.610	R87.620	R87.615	R87.612	R87.616	R87.618	R87.619
High-grade	R87.621	R87.620	R87.624	R87.623	R87.611	R87.621	R87.625	R87.622	---	R87.620	R87.629
Possible Cervical Dysplasia (C92)	---	---	R87.69	---	---	---	---	---	---	R87.7	R87.9

Use additional code for associated HPV (B07.7) and/or acquired absence of uterus and cervix (Z90.71-1) if applicable

Anemia

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Iron-deficient	D61.09	D61.1	D61.2	D61.2	D61.2	D61.3	D61.39	D61.9		
Iron deficiency	D52.0	D52.1	D52.9	D50.9	D50.8	D51.9	D53.0	D51.9	D53.9	
Due to	D64.01	D58.0	D62	D63.1	D63.0	D63.0				
Renal/BK	D59.9	D59.9	D58.9	D59.9	D59.7	D58.9	D58.4	D59.4	D59.4	D58.9
Autoimmune	D59.1	---	---	---	D59.0	---	---	D59.1	D59.1	D59.1
Other	D64.9	D58.9	D64.9	D53.0	D53.9	D58.9	D64.9	D51.0	D61.2	D64.9

Anxiety

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	F41.0	F41.0	F41.1	F41.3	F41.0	F41.1	F41.3	F41.0	F41.0	F41.0

Arteriosclerosis

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coronary Artery	I25.10	I25.810	I25.810	I25.810	I25.810	I25.870	I25.810	I25.810	I25.810	I25.810
w/ Angina & Spasm	I25.111	I25.721	I25.711	I25.711	I25.731	I25.791	I25.701	I25.701	I25.701	I25.701
w/ Unstable Angina	I25.110	I25.720	I25.710	I25.710	I25.730	I25.790	I25.700	I25.700	I25.700	I25.700
w/ Ischemic CP	I25.119	I25.729	I25.719	I25.719	I25.739	I25.799	I25.709	I25.709	I25.709	I25.709
w/ Other Spec Angina	I25.118	I25.728	I25.718	I25.718	I25.738	I25.798	I25.708	I25.708	I25.708	I25.708
w/ Unspec Angina	I25.119	I25.729	I25.719	I25.719	I25.739	I25.799	I25.709	I25.709	I25.709	I25.709

Code Also (if Applicable): I25.84 Coronary Atherosclerosis I25.83 Lipid Rich Plaque I25.82 Calcified Lesion I25.81 Code also I25.87 to identify any chronic total occlusion of coronary artery

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Extremity	I70.201, I70.209	I70.401, I70.409	I70.501, I70.509	I70.601, I70.609	I70.701, I70.709	I70.801, I70.809	I70.901, I70.909	I70.301, I70.309	I70.301, I70.309	I70.301, I70.309
w/ Ulceration										
Ankle	I70.211, I70.219	I70.411, I70.419	I70.511, I70.519	I70.611, I70.619	I70.711, I70.719	I70.811, I70.819	I70.911, I70.919	I70.311, I70.319	I70.311, I70.319	I70.311, I70.319
Calf	I70.211, I70.219	I70.411, I70.419	I70.511, I70.519	I70.611, I70.619	I70.711, I70.719	I70.811, I70.819	I70.911, I70.919	I70.311, I70.319	I70.311, I70.319	I70.311, I70.319
Heel/Midfoot	I70.211, I70.219	I70.411, I70.419	I70.511, I70.519	I70.611, I70.619	I70.711, I70.719	I70.811, I70.819	I70.911, I70.919	I70.311, I70.319	I70.311, I70.319	I70.311, I70.319
Thigh	I70.211, I70.219	I70.411, I70.419	I70.511, I70.519	I70.611, I70.619	I70.711, I70.719	I70.811, I70.819	I70.911, I70.919	I70.311, I70.319	I70.311, I70.319	I70.311, I70.319
Other Part of Foot	I70.211, I70.219	I70.411, I70.419	I70.511, I70.519	I70.611, I70.619	I70.711, I70.719	I70.811, I70.819	I70.911, I70.919	I70.311, I70.319	I70.311, I70.319	I70.311, I70.319
Other Part of Leg	I70.211, I70.219	I70.411, I70.419	I70.511, I70.519	I70.611, I70.619	I70.711, I70.719	I70.811, I70.819	I70.911, I70.919	I70.311, I70.319	I70.311, I70.319	I70.311, I70.319
Unspecified	I70.211, I70.219	I70.411, I70.419	I70.511, I70.519	I70.611, I70.619	I70.711, I70.719	I70.811, I70.819	I70.911, I70.919	I70.311, I70.319	I70.311, I70.319	I70.311, I70.319

Code also the severity of any ulcer (I97.-)

5th character as indicated: 2 Right 4 Left

Fig. 3

Arteriosclerosis (Continued)						
	ICD-9-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM
Extremity						
w/o Ulceration						
w/ Gangrene	I70.26(1,2,3,8,9)	I70.46(1,2,3,8,9)	I70.56(1,2,3,8,9)	I70.66(1,2,3,8,9)	I70.76(1,2,3,8,9)	I70.86(1,2,3,8,9)
w/ Intermittent Claudication	I70.21(1,2,3,8,9)	I70.41(1,2,3,8,9)	I70.51(1,2,3,8,9)	I70.61(1,2,3,8,9)	I70.71(1,2,3,8,9)	I70.81(1,2,3,8,9)
w/ Rest Pain	I70.22(1,2,3,8,9)	I70.42(1,2,3,8,9)	I70.52(1,2,3,8,9)	I70.62(1,2,3,8,9)	I70.72(1,2,3,8,9)	I70.82(1,2,3,8,9)
Other Type Athero	I70.29(1,2,3,8,9)	I70.49(1,2,3,8,9)	I70.59(1,2,3,8,9)	I70.69(1,2,3,8,9)	I70.79(1,2,3,8,9)	I70.89(1,2,3,8,9)
Code also I70.92 to identify any chronic total occlusion of artery of extremity						
ath character as indicated: 1 Right leg 2 Left leg 3 Bilateral legs 8 Other extremity 9 Unspecified extremity						
Asthma						
	ICD-9-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM
Allergic Extrinsic	J45.901	J45.902	J45.903	J45.909	J45.909	J45.909
Childhood	J45.901	J45.902	J45.903	J45.909	J45.909	J45.909
Control Unstable	---	---	J45.901	J45.909	J45.909	J45.909
Exacerbations Induced (acute bronchitis)	---	---	---	J45.908	J45.908	J45.908
Extrinsic	J45.901	J45.902	J45.903	J45.909	J45.909	J45.909
Indistinguishable with	J45.31	J45.32	J45.30	J45.30	J45.30	J45.30
Intrinsic	J45.901	J45.902	J45.903	J45.909	J45.909	J45.909
Late Onset	J45.901	J45.902	J45.903	J45.909	J45.909	J45.909
Nonsteroid	J45.901	J45.902	J45.903	J45.909	J45.909	J45.909
Other Specified	---	---	J45.908	J45.908	J45.908	J45.908
Perfect						
Mild	J45.31	J45.32	J45.30	J45.30	J45.30	J45.30
Moderate	J45.41	J45.42	J45.40	J45.40	J45.40	J45.40
Severe	J45.51	J45.52	J45.50	J45.50	J45.50	J45.50
Unspecified	J45.901	J45.902	J45.903	J45.909	J45.909	J45.909
w/ COPD, Chronic Obstr. Pulmon. Dis. -- see ICD-9						
Use additional codes for noncrystalline exposure to tobacco smoke (Z77.22), exposure to tobacco smoke in the perinatal period (P96.81), occupational exposure to tobacco smoke (Z57.32), history of tobacco use (Z87.891), tobacco dependence (F17.2) or use (Z72.0).						
Attention Deficit Disorder						
	ICD-9-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM
Unspecific	F90.9	F90.1	F90.2	F90.8	F90.9	F90.9
w/ Hyperactivity	F90.2	F90.1	F90.2	F90.8	F90.9	F90.9
Benign Prostatic Hypertrophy (BPH)						
	ICD-9-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM
Hypertrophy (benign)		N40.1	N40.0	Q55.4	N40.0	N40.0
Benign Prostate		N40.3	N40.2	---	N40.2	N40.2
Body Mass Index						
	ICD-9-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM
Adult						
< 30	Z68.1	Z68.20	Z68.21	Z68.22	Z68.23	Z68.24
30-39	Z68.30	Z68.31	Z68.32	Z68.33	Z68.34	Z68.35
40 or >	Z68.41	Z68.42	Z68.43	Z68.44	Z68.45	
Partial	Z68.51	Z68.52	Z68.53	Z68.54		
Bronchitis						
	ICD-9-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM	ICD-10-CM
Acute	J47.0	J47.0	J47.0	J47.0	J47.0	J47.0
Chronic	J47.1	J47.1	J47.1	J47.1	J47.1	J47.1
d/t Specif Organ	J20.3	J20.1	J20.7	J20.8	J20.4	J20.5

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Fig. 4

Bronchitis (Continued)									
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Chronic	J44.9	J44.9	J44.9	J44.9	J44.9	J44.9	J44.9	J44.9	J42
Other	J45.909	J45.901	J45.902	J45.9	J44.9	J44.9	J41.0	J41.0	J40
w/ Influenza - see Influenza									
Calculus									
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Bile Duct Calc (choledocholithiasis)	K80.32	K80.34	K80.36	K80.38	K80.42	K80.44	K80.46	---	K80.40
w/ Obstruction	K80.33	K80.35	K80.37	K80.31	K80.43	K80.45	K80.47	---	K80.41
Bile Duct and Gallbladder	---	---	---	---	K80.62	K80.64	K80.66	---	K80.60
w/ Obstruction	---	---	---	---	K80.63	K80.65	K80.67	---	K80.61
Cystic Duct - see Calculus, Gallbladder									
Gallbladder (cholelithiasis)	---	---	---	---	K80.00	K80.10	K80.12	K80.18	K80.10
w/ Obstruction	---	---	---	---	K80.01	K80.11	K80.13	K80.19	K80.11
Kidney	N23.2		N23.8		N26.0				
Ureter		N20.2		N13.2		N13.6		N20.1	
Cardiac Arrhythmias									
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Unspecified	I49.9		I49.89	---	---		I45.8		I49.9
Atrial Fibrillation	I48.2		---	I48.8		I48.1	---	---	I48.91
Atrial Flutter	---	---	---	---	---	---	---	---	I48.92
Type I/Typical	---	---	---	---	---	---	---	---	I48.3
Type II/Atypical	---	---	---	---	---	---	---	---	I48.4
Bradycardia	---		I49.12	---	---	---			I48.01
Palpitations	---	---	---	---	---	---	I45.8		I48.02
Sick Sinus Syndrome (SSS)	---	---	---	---	---	---	---	---	I49.5
SVT	---	---	---	I47.1	---	---	---	---	I47.1
Paroxysmal	I47.1	---	---	I47.1	---	---	I54	---	I47.1
Tachycardia	---		I49.11	I47.9	---	---	I45.8		I48.00
Tachy-brady syndrome	---	---	---	---	---	---	---	---	I49.5
Other	I49.8		I49.89	---	---	---	---	---	I49.8
Cholecystitis									
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Acute	---	K81.2		K81.0		K81.0		K81.0	K81.0
Chronic/Refr	K81.1	---	---	---	---	---	---	K81.09	K81.0
w/ Calculus/Gallstones - see Calculus									
Chronic Kidney Disease									
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Acute/Chronic									
Diabetic									
Type I		E10.22, N18.1	E10.22, N18.2	E10.22, N18.3	E10.22, N18.4	E10.22, N18.5	E10.22, N18.6	E10.22, N18.9	E10.22, N18.9
Type II		E11.22, N18.1	E11.22, N18.2	E11.22, N18.3	E11.22, N18.4	E11.22, N18.5	E11.22, N18.6	E11.22, N18.9	E11.22, N18.9
Hypertensive w/ KDQ		I12.9, N18.1	I12.9, N18.2	I12.9, N18.3	I12.9, N18.4	I12.9, N18.5	I12.9, N18.6	I12.9, N18.9	I12.9, N18.9
w/ Heart Dis w/o Heart Failure		I13.10, N18.1	I13.10, N18.2	I13.10, N18.3	I13.10, N18.4	I13.11, N18.5	I13.11, N18.6	I13.10, N18.9	I13.10, N18.9
w/ Heart Failure		I13.0, N18.1	I13.0, N18.2	I13.0, N18.3	I13.0, N18.4	I13.2, N18.5	I13.2, N18.6	I13.0, N18.9	I13.0, N18.9
Note: For codes from category I13 use an additional code from category I52 to identify type of heart failure									
6th character meanings as indicated: 1 First tri 2 Second tri 3 Third tri 9 Unsp tri									

Fig. 5

Chronic Obstructive Pulmonary Disease (COPD)											
ICD-9	ICD-10	ICD-9	ICD-10	ICD-9	ICD-10	ICD-9	ICD-10	ICD-9	ICD-10	ICD-9	ICD-10
Use an additional code with J44.7 to identify the infection											
Conjunctivitis											
Acute	H10.10-12.9	H10.21-22.9	H10.3	H10.41-42.9	H10.51-52.9	H10.61-62.9	H10.71-72.9	H10.81-82.9	H10.91-92.9	H10.01-02.9	H10.11-12.9
Chronic	H10.45	H10.43-47.9	H10.41-42.9	H10.42-43.9	H10.44	H10.48	H10.49				
Site	R10.0	R10.1	R10.2	R10.3	R10.4	R10.5					
5th or 6th character as follows as indicated: 1 Right 2 Left 3 Bilateral 0 or 3 Unspecified											
Coronary Artery Disease—see Arteriosclerosis, Coronary Artery											
Depression											
	F31.0	F31.1	F31.2	F31.3	F31.4	F31.5	F31.6	F31.7	F31.8	F31.9	F31.0
Dermatitis											
Contact											
Unspecified	L20.0	L20.1	L20.2	L20.3	L20.4	L20.5	L20.6	L20.7	L20.8	L20.9	L20.0
Allergic	L20.0	L20.1	L20.2	L20.3	L20.4	L20.5	L20.6	L20.7	L20.8	L20.9	L20.0
Irritant	L24.0	L24.1	L24.2	L24.3	L24.4	L24.5	L24.6	L24.7	L24.8	L24.9	L24.0
Dissecting	L24.0	L24.1	L24.2	L24.3	L24.4	L24.5	L24.6	L24.7	L24.8	L24.9	L24.0
Diabetes											
Type 1	E10.0	E10.01	E10.02	E10.03	E10.04	E10.05	E10.06	E10.07	E10.08	E10.09	E10.00
Type 2	E11.0	E11.01	E11.02	E11.03	E11.04	E11.05	E11.06	E11.07	E11.08	E11.09	E11.00
Site of Onset	E08.0	E08.01	E08.02	E08.03	E08.04	E08.05	E08.06	E08.07	E08.08	E08.09	E08.00
Site of Manifestation	E08.1	E08.11	E08.12	E08.13	E08.14	E08.15	E08.16	E08.17	E08.18	E08.19	E08.10
Note: For category E08, code first the underlying condition. For categories E08, E09, and E11, code also any insulin use (Z79.4).											
Fever											
	R50.0	R50.1	R50.2	R50.3	R50.4	R50.5	R50.6	R50.7	R50.8	R50.9	R50.0
Enteritis/Gastroenteritis											
	K52.0	K52.1	K52.2	K52.3	K52.4	K52.5	K52.6	K52.7	K52.8	K52.9	K52.0
Gastroesophageal Reflux Disease (GERD)											
	K21.0	K21.1	K21.2	K21.3	K21.4	K21.5	K21.6	K21.7	K21.8	K21.9	K21.0
Headache											
	G44.00	G44.01	G44.02	G44.03	G44.04	G44.05	G44.06	G44.07	G44.08	G44.09	G44.00
Pre-ictal—see Migraine, Headache											
5th and 6th characters as indicated: 0 Not intractable/NOS/Unspec 1 Intractable 9 Not intractable/NOS/Unspec											
Heart Failure											
	I50.0	I50.1	I50.2	I50.3	I50.4	I50.5	I50.6	I50.7	I50.8	I50.9	I50.0
Unspecified	I50.0	I50.1	I50.2	I50.3	I50.4	I50.5	I50.6	I50.7	I50.8	I50.9	I50.0
Unspecified (Congestive)	I50.1	I50.2	I50.3	I50.4	I50.5	I50.6	I50.7	I50.8	I50.9	I50.0	I50.1
Diagnosed (Congestive)	I50.1	I50.2	I50.3	I50.4	I50.5	I50.6	I50.7	I50.8	I50.9	I50.0	I50.1

Fig. 6

Heart Failure (Continued)						
	4th	5th	6th	7th	8th	9th
Hypertensive	---	---	---	---	---	I11.0
w/ CKD NOS	---	---	---	---	---	I13.0
w/ CKD Stages I-IV	---	---	---	---	---	I13.0 (N18.1 - N18.4)
w/ CKD Stage V or ESRD	---	---	---	---	---	I13.2 (N18.5 - N18.6)
Systolic (diastolic)	I08.21	I08.22	I08.23	---	---	I08.20
Unspecified	I08.9	---	---	---	---	I08.9
Note: For codes from category I11 and I13, use an additional code from category I08 to identify type of heart failure.						
Hypertension						
	4th	5th	6th	7th	8th	9th
Essential	I10	I10	I15.9	I11.9	I12.9	I13.10
Compensating (diastolic)	O18.91	O18.92	O18.93	O18.94	O18.95	O18.96
Compensating (systolic)	O18.91	O18.92	O18.93	O18.94	O18.95	O18.96
w/ Edema	O14.91, 2, 3	---	---	---	---	---
Gestational	---	---	---	---	---	---
w/o Proteinuria	O13.01, 2, 3, 4	---	---	---	---	---
w/ Proteinuria	O14.91, 2, 3	---	---	---	---	---
Pre-existing	O10.91, 2, 3, 4	O10.91, 2, 3, 4	O10.91, 2, 3, 4	O10.91, 2, 3, 4	O10.91, 2, 3, 4	O10.91, 2, 3, 4
Complicating Preeclampsia	O10.93	O10.93	O10.93	O10.93	O10.93	O10.93
In Diseases Classified Elsewhere	---	---	---	---	---	---
CKD—see CKD	---	---	---	---	---	---
Endocrine Disorders	I05.2	---	---	---	---	---
Heart Failure—see Heart Failure	---	---	---	---	---	---
4th, 5th, and 6th characters as indicated: 0 Unspecified tri 1st tri 2nd tri 3rd tri 9 Unsp tri						
Hypothyroidism						
	4th	5th	6th	7th	8th	9th
Unspecified	E03.1	E03.0	E03.2	E03.3	E03.4	E03.5
With Myxedema	E03.1	E03.0	E03.2	E03.3	E03.4	E03.5
Influenza						
	4th	5th	6th	7th	8th	9th
Unspecified NOS	J11.1	J11.2	J11.01	J11.1	J11.02	J11.03
Identified Influenza Virus NEC (H1N1, A, H3N1)	J10.1	J10.2	J10.01	J10.1	J10.02	J10.03
Identified Boreal Influenza A Virus (H1N1, Asian, Bird, Swine)	J09.X2	J09.X3	J09.X9	J09.X2	J09.X9	J09.X9
Code also any associated manifestations (i.e., specified type of pneumonia, specific respiratory manifestation, etc.)	---	---	---	---	---	---
Mass/Lump						
	4th	5th	6th	7th	8th	9th
Abdominal, torso, not specified	R19.06	R19.07	R19.04	R19.02	R19.05	R19.03
Localized	R22.2	R22.6	R22.41, 2, 3, 4	R22.31, 2, 3, 4	R22.1	R22.9
Other Sites	N63	N28.05	R16.0	J11.8	---	---
5th character as indicated: 0 Unspecified 1 Right 2 Left 3 Bilateral						
Metabolic Disturbances						
Diets/acidosis	E86.0	---	Hypoglycemia (hypoglycemic)	E16.2	---	---
Metabolic alkalosis	E86.8	---	Hypokalemia	E87.0	---	---
Hypertension (Respiratory)	R73.9	---	Hypomagnesemia	E87.1	---	---
Hypertension	E87.5	---	Hypomagnesemia	E86.1	---	---
Hypokalemia	E87.5	---	Hypernatremia	E86.9	---	---
Hypomagnesemia	E87.8	---	---	---	---	---

Fig. 7

Migraine													
	Primary						Secondary						
	G43.919	G43.911	G43.919	G43.909	G43.901	G43.909	G43.917	G43.911	G43.919	---	---	---	G43.909
Unspecified	G43.01	---	---	G43.00	---	---	G43.01	---	---	G43.08	---	---	G43.08
Biochemical	G43.419	G43.411	G43.419	G43.409	G43.401	G43.409	G43.417	G43.411	G43.419	G43.409	G43.401	G43.409	G43.409
Neurotic	G43.839	G43.831	G43.839	G43.829	G43.821	G43.829	G43.837	G43.831	G43.839	G43.829	G43.821	G43.829	G43.829
Posttraumatic	G43.111	---	---	G43.10	---	---	G43.11	---	---	G43.10	---	---	G43.10
w/ Aura	G43.119	G43.111	G43.119	G43.109	G43.101	G43.109	G43.117	G43.111	G43.119	G43.109	G43.101	G43.109	G43.109
Persistent	---	---	---	---	---	---	---	---	---	---	---	---	G43.509
w/ Cerebral Infarct	G43.619	G43.611	G43.619	G43.609	G43.601	G43.609	G43.617	G43.611	G43.619	G43.609	G43.601	G43.609	G43.609
w/o Cerebral Infarct	G43.519	G43.511	G43.519	G43.509	G43.501	G43.509	G43.517	G43.511	G43.519	G43.509	G43.501	G43.509	G43.509
w/ Aura	G43.819	G43.811	G43.819	G43.809	G43.801	G43.809	G43.817	G43.811	G43.819	G43.809	G43.801	G43.809	G43.809
Chronic	G43.719	G43.711	G43.719	G43.709	G43.701	G43.709	G43.717	G43.711	G43.719	G43.709	G43.701	G43.709	G43.709

Neutropenia												
	Leukopenia				Neutropenia				Other			
	D78.0	D78.4	D78.1	D78.2	D78.3	D78.9	D78.5	D78.4	D78.4	D78.8	D78.8	D78.9
Chronic	---	---	---	---	---	---	---	---	---	---	---	---

Note: For codes D78.1 and D78.2, use additional code to identify drug. For code D78.1, code also the underlying neoplasm.

Obesity												
	Essential		Secondary		Essential		Essential		Essential		Essential	
	E66.0	E66.1	E66.0	E66.0	E66.01	E66.09	E66.3	E66.3	E66.3	E66.01	E66.09	
Complicated	Use an additional code to identify type of obesity (E66.-). Use as additional code to identify body mass index (BMI), if known (Z68.-). For code E66.1, use an additional code to identify drug.											
Unspecified	O99.214	O99.21	O99.21	O99.215	---	---	---	---	---	---	---	
6th character meaning as indicated: 0 Unspecified 1 First trimester 2 Second trimester 3 Third trimester												

Osteoarthritis												
	Primary			Secondary			Primary			Secondary		
	M15.0	---	---	---	---	---	M16.0	M16.0	M17.0	---	---	M18.0
Bilateral	---	---	---	---	---	---	M16.0	M16.0	M17.0	---	---	M18.0
Unilateral	---	M19.011	M19.021	M19.031	M19.041	M19.051	M16.10	M16.11	M17.10	M17.11	M18.01	M18.02
Primary (H/O Trauma)	---	---	---	---	---	---	---	---	---	---	---	---
Bilateral	---	---	---	---	---	---	M16.2	---	---	---	---	M16.2
Unilateral	---	---	---	---	---	---	M16.30	M16.31	---	---	---	M16.30
Post-traumatic	---	---	---	---	---	---	---	---	---	---	---	M19.92
Bilateral	---	---	---	---	---	---	M18.2	M16.4	M17.2	---	---	---
Unilateral	---	M19.111	M19.121	M19.131	M19.141	M19.151	M18.30	M16.50	M17.30	M17.31	M19.17	---
Secondary	---	---	---	---	---	---	---	---	---	---	---	M19.93
Bilateral	---	---	---	---	---	---	M16.4	M16.6	M17.4	---	---	---
Unilateral	---	M19.21	M19.22	M19.23	M19.24	M19.25	M16.50	M16.7	M17.5	M19.27	---	---
Unspecified NOS	M15.9	---	---	---	---	---	---	---	M17.9	---	---	M19.98
6th character meaning as indicated: 0 Unspecified 1 Right 2 Left 9 Unspecified												

Otitis												
	Etiology											
	Chronic NOS			In diseases class elsewhere			Infective			Malignant		
	H08.60	H08.61	H08.62	H08.70	H08.71	H08.72	H08.80	H08.81	H08.82	H08.90	H08.91	H08.92
Chronic NOS	H08.60	H08.61	H08.62	---	---	---	---	---	---	---	---	---
In diseases class elsewhere	H02.40	H02.41	H02.42	---	---	---	---	---	---	---	---	---
Infective	---	---	---	H08.90	H08.91	H08.92	H08.90	H08.91	H08.92	H08.90	H08.91	H08.92
Malignant	H08.20	H08.21	H08.22	---	---	---	---	---	---	---	---	---

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Fig. 8

Otitis (Continued)											
	0	1	2	3	4	5	6	7	8	9	10
Noninfective											
Acute		H60.51(1,2,3)	H60.52(1,2,3)	H60.53(1,2,3)	H60.54(1,2,3)	H60.55(1,2,3)	H60.56(1,2,3)	H60.57(1,2,3)	H60.58(1,2,3)	H60.59(1,2,3)	
Other	H60.8X(1,2,3)										
Unspecified	H60.9(1,2,3)										
Disitis											
Acute									H65.0(1,2,3)	H65.0(4,5,6,7)	
Nonsuppurative		H65.1(1,2,3)	H65.1(4,5,6,7)			H65.1(8,9)	H65.1(10)				
Suppur w/ear drum rupt	H65.01(1,2,3)								H65.01(4,5,6,7)		
Suppur w/o ear drum rupt	H65.08(1,2,3)								H65.08(4,5,6,7)		
Chronic						H65.3(1,2,3)			H65.2(4,5,6,7)		
Atticoentral	H66.2(1,2,3)										
Nonsuppurative		H65.4(1,2,3)									
Suppurative						H65.4(4,5,6,7)					
Tubotympanic	H66.1(1,2,3)										
Unspecified	H66.9(1,2,3)										
Nonsuppurative	H65.9(1,2,3)										
Suppurative	H66.4(1,2,3)										
5th and 6th character as indicated: 0 or 9 Unsp 1 or 4 Right 2 or 5 Left 3 or 6 Bilateral											
Pain											
	0	1	2	3	4	5	6	7	8	9	10
Abdominal											
Pain	R10.0	R10.10	R10.30	R10.11	R10.12	R10.31	R10.32	R10.13	R10.34	R10.35	R10.2
Tenderness	R10.819			R10.811	R10.812	R10.813	R10.814	R10.815	R10.817	R10.819	
Rebound Tenderness	R10.829			R10.821	R10.822	R10.823	R10.824	R10.826	R10.827	R10.829	
Acute Abdomen	R10.2										
Colic	R10.83										
Back											
Acute		G89.11	G89.2	G89.18			G89.12			R52	
Hand											
Disorder	M54.2	M54.6	M54.14			M54.5	M54.4(1,2)		M53.3	M54.9	
Radicular	M54.10	M54.11	M54.12	M54.13	M54.14	M54.15	M54.16	M54.17	M54.18		
Note: If specified as due to a disc disorder or spondylosis, report to the specified disease rather than M54.1-											
Sciatica Unspecified	M54.3(1,2)										
5th character meaning as indicated: 0 Unspecified 1 Right 2 Left											
Throat											
Disorder	R07.09	R07.9	R07.82	R07.89	R07.80	R07.1	R07.81	R07.2	R07.89	R07.89	R07.9
Trachea											
Disorder	G89.4	G89.21	G89.3	G89.78	G89.77	G89.29					
Tracheostomy	R52										
Wrist											
Unspecified	M25.50										
Lower Extremity											
Disorder	M25.57(1,2)	M25.57(1,2)	M25.55(1,2)	M25.56(1,2)	M25.57(1,2)	M25.57(1,2)	M25.57(1,2)	M25.57(1,2)	M25.57(1,2)	M25.57(1,2)	M25.57(1,2)
Upper Extremity											
Disorder	M25.51(1,2)	M25.52(1,2)	M25.53(1,2)	M25.54(1,2)	M25.55(1,2)	M25.56(1,2)	M25.57(1,2)	M25.57(1,2)	M25.57(1,2)	M25.57(1,2)	M25.57(1,2)
5th character meaning as indicated: 0 or 6 Unspecified 1 or 4 Right 2 or 5 Left											
Pubic Symphysis	R18.2										

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Fig. 9

Pancytopenia														
ICD-9-CM	ICD-10-CM	ICD-9-CM	ICD-10-CM	ICD-9-CM	ICD-10-CM	ICD-9-CM	ICD-10-CM	ICD-9-CM	ICD-10-CM	ICD-9-CM	ICD-10-CM	ICD-9-CM		
D61.810	D61.810	D61.810	D61.810	D61.811	D61.815									
Pharyngitis														
Nasopharyngitis	J02.9	J31.2	J00.2	J31.2	J31.2	J02.9	J02.0	J02.8						
Allopharyngitis	J00	J31.1	---	---	---	---	J00	---						
w/ influenza—see Influenza	J09	J31.1	---	---	---	---	---	---						
Pneumonia														
Pneumonia	J18.0	J18.1	J18.2	J18.9	J19.5	J14	J15.0	J18.242	J15.211	J15.1	J15	J12.9	J18.8	J18.9
Aspiration	J15.9	J69.0	J69.0	J69.0	J69.0	J69.1	J69.8	J12.9	J69.0	J69.0	J69.0	J69.0	J69.0	J69.0
Newborn/Neonate	---	P24.31	P24.31	P24.31	---	---	P24.81	---	---	---	---	P24.81	---	---
w/ influenza—see Influenza														
Rhinitis														
Rhinitis	J60	J31.0	J00	J00	J52.73	J52.8	J30.0	J30.0	J30.2	J30.89	J30.89	J30.89	J30.89	J30.89
w/ Asthma—see Asthma														
w/ Sore Throat—see Nasopharyngitis Under Pharyngitis														
Sinusitis														
Acute	J01.90	J01.20	J01.10	J01.00	J01.30	J01.40	J01.80	J01.80	J01.80	J01.80	J01.80	J01.80	J01.80	J01.80
Recurrent	J01.91	J01.21	J01.11	J01.01	J01.31	J01.41	J01.81	J01.81	J01.81	J01.81	J01.81	J01.81	J01.81	J01.81
Allergic—see Allergic Rhinitis														
Chronic, NOS	J32.0	J32.2	J32.1	J32.0	J32.3	J32.4	J32.8	J32.8	J32.8	J32.8	J32.8	J32.8	J32.8	J32.8
Allergic Rhinitis	J30.1	---	---	---	---	---	---	---	---	---	---	---	---	---
Fibrosinusitis	J45.0	---	---	---	---	---	---	---	---	---	---	---	---	---
Spondylitis														
M43.02	M43.03	M43.06	M43.07	M43.01	M43.08	M43.04	M43.05	M43.09	M43.09	M43.09	M43.09	M43.09	M43.09	M43.09
Symptoms														
Blurred Vision	R62.1	R19.5												
Headache	R52.0	R52.0	R52.0	R52.0	R52.0	R52.0	R52.0	R52.0	R52.0	R52.0	R52.0	R52.0	R52.0	R52.0
Drug Induced—see Table of Drugs and Chemicals														
Cough	R04.2	R05	R45.8	R45.8	R45.8	R45.8	R45.8	R45.8	R45.8	R45.8	R45.8	R45.8	R45.8	R45.8
Bronchial w/ Flu or Grippe—see Influenza														
Other	R04.9	R05.7	R04.4	R04.8	R07.9	R05.4								
Other	R52.89	R52.9	R05	R52.1	R09	R45.8	R01.1	R51.89	R45.8	R19.7				
Dizziness	R44.89	R45.8	R42											
Optic	R42.8	R30.0												

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Fig. 10

Symptoms (Continued)											
	ICD-9-CM	ICD-9-CM	ICD-9-CM	ICD-9-CM	ICD-9-CM	ICD-9-CM	ICD-9-CM	ICD-9-CM	ICD-9-CM	ICD-9-CM	ICD-9-CM
Fatigue	R53.82	I43.0	R53.83	T67.6	M62.89	F48.8	R53.83				
Headache	R53.81										
Nausea	R11.2	R11.0									
Somnolence, Fatigue, Head Symptoms	R00.1	R55	G98.01	T17.1	F88.8	R55	R55	R55	R55	R55	
Vertigo	R02.0	G43.A0	G43.A1	F58.8	G43.A1	R91.0	R31.89	F59.8	R11.2	R11.2	R11.11
Tobacco Use Disorder											
"Smoker"	F17.219	F17.211	F17.218	F17.213	F17.210						
Tobacco/Smoking Dependence											
Cigarettes	F17.219	F17.211	F17.218	F17.213	F17.210						
Chewing Tobacco	F17.229	F17.221	F17.228	F17.223	F17.220						
Other Product	F17.299	F17.291	F17.298	F17.293	F17.290						
Unspec Product	F17.299	F17.291	F17.298	F17.293	F17.290						
Tobacco Use	Z72.0										
History of Tobacco Use	Z87.891										
Exp to Frivolous Smoker	Z77.22										
Exp to Serious Smoker	Z57.31										
Thrombocytopenia											
	D69.42	D69.59	D69.3	D75.82	D69.51	D69.49	D69.3	D69.59	D69.6		
Note: For code D69.42, code the congenital or hereditary disorder first.											
Tonsillitis											
	J03.90	J03.01	J03.01	J03.90	J03.00	J03.90	J03.90	J03.90	J03.90		
w/ Adenoiditis	---	J03.03	J03.03	---	---	---	---	---	J03.03		
Recurrent	J03.91	---	---	J03.81	J03.61	J03.81	J03.81	J03.81	J03.91		
Ulcer											
	K26.4	K26.5	K26.6	K26.9							
Acute	K26.0	K26.1	K26.2	K26.3							
Chronic	K26.4	K26.5	K26.6	K26.7							
	K22.10	K21.0	K22.10	K22.10	K22.10	K22.10	K22.10	K22.10	K22.10		
w/ Bleeding	K22.11	---	K22.11	K22.11	K22.11	K22.11	K22.11	K22.11	K22.11		
	K28.4	K28.5	K28.6	K28.9							
Acute	K28.0	K28.1	K28.2	K28.3							
Chronic	K28.4	K28.5	K28.6	K28.7							
Peptic	K27.4	K27.5	K27.6	K27.9							
Acute	K27.0	K27.1	K27.2	K27.3							
Chronic	K27.4	K27.5	K27.6	K27.7							
Stomach	K25.4	K25.5	K25.6	K25.9							
Acute	K25.0	K25.1	K25.2	K25.3							
Chronic	K25.4	K25.5	K25.6	K25.7							

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Fig. 11

Ulcer (Continued)									
Site	1st Character	2nd Character	3rd Character	4th Character	5th Character	6th Character	7th Character	8th Character	9th Character
Back	L98.424	L98.422	L98.423	L98.421	L98.425	L98.427	L98.429		
Buttock	L98.414	L98.412	L98.413	L98.411	L98.415	L98.417	L98.419		
Lower Limb—see Ulcer, Lower Limb									
Other Specified Site	L98.494	L98.492	L98.493	L98.491	L98.495	L98.497	L98.499		
Procedures/Operations									
Stage 1	L89.501.1.1	L89.101.1.1.1	L89.301.1.1	L89.151	L89.41	L89.001.1.1	L89.811		
Stage 2	L89.501.2.2	L89.101.2.2.2	L89.301.2.2	L89.152	L89.42	L89.001.2.2	L89.812		
Stage 3	L89.501.3.3	L89.101.3.3.3	L89.301.3.3	L89.153	L89.43	L89.001.3.3	L89.813		
Stage 4	L89.501.4.4	L89.101.4.4.4	L89.301.4.4	L89.154	L89.44	L89.001.4.4	L89.814		
Unspecified Stage	L89.501.7.7	L89.101.7.7.7	L89.301.7.7	L89.159	L89.49	L89.001.7.7	L89.819		
Unstageable	L89.501.8.8	L89.101.8.8.8	L89.301.8.8	L89.160	L89.40	L89.001.8.8	L89.820		
Procedures/Operations									
Stage 1	L89.811	L89.601.1.1	L89.201.1.1	L89.151	L89.591	L89.91			
Stage 2	L89.812	L89.601.2.2	L89.201.2.2	L89.152	L89.592	L89.92			
Stage 3	L89.813	L89.601.3.3	L89.201.3.3	L89.153	L89.593	L89.93			
Stage 4	L89.814	L89.601.4.4	L89.201.4.4	L89.154	L89.594	L89.94			
Unspecified Stage	L89.819	L89.601.7.7	L89.201.7.7	L89.159	L89.599	L89.99			
Unstageable	L89.820	L89.601.8.8	L89.201.8.8	L89.160	L89.600	L89.90			
5th character as indicated: 0 Unsp. 1 Right/right upper 2 Left/left upper 3 Right lower 4 Left lower									
Laceration									
w/ Bone Necrosis	L97.301.1.4	L97.201.1.4	L97.501.1.4	L97.401.1.4	L97.801.1.4	L97.901.1.4	L97.401.1.4	L97.501.1.4	L97.801.1.4
w/ Exposed Fat Layer	L97.301.1.2	L97.201.1.2	L97.501.1.2	L97.401.1.2	L97.801.1.2	L97.901.1.2	L97.401.1.2	L97.501.1.2	L97.801.1.2
w/ Muscle Necrosis	L97.301.1.3	L97.201.1.3	L97.501.1.3	L97.401.1.3	L97.801.1.3	L97.901.1.3	L97.401.1.3	L97.501.1.3	L97.801.1.3
w/ Skin Breakdown	L97.301.1.1	L97.201.1.1	L97.501.1.1	L97.401.1.1	L97.801.1.1	L97.901.1.1	L97.401.1.1	L97.501.1.1	L97.801.1.1
5th character as indicated: 0 Unspecified 1 Right 2 Left									
Urinary Tract Infection									
Upper Urinary Tract	N59.0								
Bladder (Cystitis)	N59.00.1	N59.20.1	N59.10.1	N59.40.1	N59.50.1	N59.10.1	N59.80.1	N59.90.1	
5th character meaning as indicated: 0 w/o hematuria 1 w/ hematuria									
Kidney	N59.1								
Ureter (Urethritis)	N59.89								
Examination									
Arthrocentesis	Z02.0	Z02.2	Z02.83	Z02.71	Z02.4	Z02.5	Z02.5	Z02.1	Z02.3
For code Z02.83, code also findings of ETOH or drugs (R78.-) and ETOH level (Y98.-) and dependence, abuse or use (F10.-) where applicable.									
General	Z00.00	Z00.110	Z00.111	Z00.121	Z00.70	Z00.70	Z00.70	Z00.70	Z00.70
w/ Abnormal Findings	Z00.01				Z00.129	Z00.71			
Note: Use an additional code to identify any abnormal findings.									
Procedures	Z01.810	Z01.891	Z01.812	Z01.810					
Screening, General	Z13.0	Z13.4	Z13.818	Z13.811	Z13.818	Z11.0	Z13.220	Z13.228	Z13.21
Screening, male neoplasms	Z12.6	Z12.89	Z12.39	Z12.4	Z12.11	Z12.10	Z12.2	Z12.5	Z12.12
Screening, female neoplasms	Z12.6	Z12.89	Z12.39	Z12.4	Z12.11	Z12.10	Z12.2	Z12.5	Z12.12

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Fig. 12