2018 Laboratory

Essential links from CPT® codes to ICD-10-CM and HCPCS

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Introduction

Optum360 is pleased to present the 2017 Laboratory Cross Coder. Fully comprehensive, Laboratory Cross Coder links most CPT® laboratory codes to corresponding ICD-10-CM diagnosis and HCPCS Level II codes. Optum360 believes that professional coders working in laboratories, physician’s offices, clinical outpatient areas, hospitals, as well as payer settings will embrace this reference.

Laboratory Cross Coder is based on the Pathology and Laboratory section of the Current Procedural Terminology (CPT). Up-to-date CPT laboratory codes link to the following related medical coding systems:

- International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM)
- Healthcare Common Procedural Coding System (HCPCS) Level II

All coding relationships in Laboratory Cross Coder spring from CPT’s pathology and laboratory codes and the term “CPT-driven” is sometimes heard. But it is perhaps more appropriate to think of this reference book as “data driven.” A team of clinical and coding experts launched Laboratory Cross Coder by first reviewing data drawn from the Optum360 information base of nationwide medical claims. Pertinent laboratory-related coding relationships were drawn from the data stream and processed for coding errors and other anomalies. From this early cut of data emerged a general clinical picture of each laboratory code, but data analysis for Laboratory Cross Coder had hardly begun.

Some CPT codes are omitted from the listing because consistent and reliable cross-links are almost impossible to establish. Unlisted procedure codes are an obvious example. Certain types of add-on codes are also treated somewhat differently in Laboratory Cross Coder. These codes are discussed in greater detail under the CPT Codes section later in this Introduction. As a data-driven coding reference, Laboratory Cross Coder presents most likely scenarios as derived from clinical information sources. However, Laboratory Cross Coder is not a substitute for ICD-10-CM or any other medical coding reference and users are urged to regularly consult all available sources. The absence of any specific code does not necessarily indicate that its association to the base procedure code is inappropriate. Assuming all rules of laboratory coding are followed, excepted diagnosis codes may prove appropriate to a specific code scenario.

Laboratory Cross Coder does not include coding rules or guidelines. Once again, the user is urged to consult the original coding reference (e.g., CPT, ICD-10-CM, HCPCS Level II, etc.) or one of several reputable medical coding instruction manuals.

Format

An understanding of the Laboratory Cross Coder format allows users to easily navigate its content. Information within the main section ties to the CPT book and the codes are presented in the same numeric order as the pathology and laboratory section.

Sections

Laboratory Cross Coder provides linked information to the CPT code range 80047 to 89398. The codes are divided into the same sections as the Pathology and Laboratory section of the CPT book.

Codes and Code Ranges

The data within each CPT code set of Laboratory Cross Coder is presented as follows:

- CPT code or code range
- CPT codes and descriptions
- ICD-10-CM diagnostic codes and descriptions
- HCPCS Level II codes and descriptions

For example:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>81290</td>
<td>MCOLN1 (mucolipin 1) (eg. Mucolipidosis, type IV) gene analysis, common variants (eg, IVS3-2A&gt;G, del6.4kb)</td>
</tr>
</tbody>
</table>

ICD-10-CM Diagnostic Codes

- E75.11 Mucolipidosis IV
- Z13.71 Encounter for nonprocreative screening for genetic disease carrier status
- Z13.79 Encounter for other screening for genetic and chromosomal anomalies
- Z31.5 Encounter for genetic counseling

HCPCS Level II Supplies & Services

- G0452 Molecular pathology procedure; physician interpretation and report

Each CPT code or code range is followed by its specific ICD-10-CM and HCPCS Level II links. Laboratory Cross Coder presents full descriptions for all CPT codes and their links.

National Coverage Decisions

Your Laboratory Cross Coder also indicates when a service is subject to a National Coverage Decision (NCD) by placing NCD after the code. An NCD for a diagnostic laboratory test is a national policy statement granting, limiting, or excluding Medicare coverage for that test. An NCD will indicate Medicare policy regarding the circumstances under which the test will be considered reasonable and necessary. This is important because Medicare will not provide coverage for a service that is not medically necessary such as tests for screening purposes only or otherwise not indicated by the patient’s diagnosis. NCDs are applicable nationwide and must be adhered to by all Medicare contractors including fiscal intermediaries and carriers.

Each of the clinical diagnostic laboratory service NCDs contain lists of CPT codes identifying the service, indications and limitations of coverage, and ICD-10-CM codes that support the medical necessity of the procedure. Also included, when applicable, are any documentation requirements that may be necessary. NCDs are periodically updated so it is important that they be reviewed on a regular basis. The complete national coverage decisions may be found at: http://www.cms.gov/CoverageGenInfo/04_LabNCDs.asp

Other Payers

Non-governmental payers may follow the Medicare NCDs or they may develop their own policies on coverage of laboratory tests, either routine or advanced diagnostic testing. Always check with the insurance company for coverage criteria. Many may have on-line policies that can be reviewed.

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### ICD-10-CM Diagnostic Codes

- **B15.8** Hepatitis A with hepatic coma
- **B15.9** Hepatitis A without hepatic coma
- **B16.0** Acute hepatitis B with delta-agent with hepatic coma
- **B16.1** Acute hepatitis B with delta-agent without hepatic coma
- **B16.2** Acute hepatitis B without delta-agent with hepatic coma
- **B16.3** Acute hepatitis B without delta-agent and without hepatic coma
- **B17.8** Acute delta-(super) infection of hepatitis B carrier
- **B17.10** Acute hepatitis C without hepatic coma
- **B17.11** Acute hepatitis C with hepatic coma
- **B17.2** Acute hepatitis E
- **B17.8** Other specified acute viral hepatitis
- **B18.0** Chronic viral hepatitis B with delta-agent
- **B18.1** Chronic viral hepatitis B without delta-agent
- **B18.2** Chronic viral hepatitis C
- **B18.8** Other chronic viral hepatitis
- **G93.3** Postviral fatigue syndrome
- **I85.00** Esophageal varices without bleeding
- **I85.01** Esophageal varices with bleeding
- **I85.10** Secondary esophageal varices without bleeding
- **I85.11** Secondary esophageal varices with bleeding
- **K70.41** Alcoholic hepatic failure with coma
- **K71.0** Toxic liver disease with cholestasis
- **K71.10** Toxic liver disease with hepatic necrosis, without coma
- **K71.11** Toxic liver disease with hepatic necrosis, with coma
- **K71.2** Toxic liver disease with acute hepatitis
- **K71.3** Toxic liver disease with chronic persistent hepatitis
- **K71.4** Toxic liver disease with chronic lobular hepatitis
- **K71.50** Toxic liver disease with chronic active hepatitis without ascites
- **K71.51** Toxic liver disease with chronic active hepatitis with ascites
- **K71.6** Toxic liver disease with hepatic fibrosis, not elsewhere classified
- **K71.7** Toxic liver disease with fibrosis and cirrhosis of liver
- **K71.8** Toxic liver disease with other disorders of liver
- **K72.00** Acute and subacute hepatic failure without coma
- **K72.01** Acute and subacute hepatic failure with coma
- **K72.10** Chronic hepatic failure without coma
- **K72.11** Chronic hepatic failure with coma
- **K74.69** Other cirrhosis of liver
- **K75.0** Abscess of liver
- **K75.1** Phlebitis of portal vein
- **K75.2** Nonspecific reactive hepatitis
- **K75.3** Granulomatous hepatitis, not elsewhere classified
- **K75.81** Nonalcoholic steatohepatitis (NASH)
- **K75.89** Other specified inflammatory liver diseases
- **K76.2** Central hemorrhagic necrosis of liver
- **K76.4** Peliiosis hepatitis
- **K76.6** Portal hypertension
- **K76.7** Hepatorenal syndrome
- **K76.81** Hepatopulmonary syndrome
- **R10.83** Colic
- **R10.84** Generalized abdominal pain
- **R11.0** Nausea
- **R11.11** Vomiting without nausea
- **R11.12** Projectile vomiting
- **R11.14** Bilious vomiting
- **R16.0** Hepatomegaly, not elsewhere classified
- **R16.2** Hepatomegaly with splenomegaly, not elsewhere classified
- **R33.0** Neoplastic (malignant) related fatigue
- **R33.1** Weakness
- **R33.2** Functional quadriplegia
- **R53.81** Other malaise
- **R53.83** Other fatigue
- **R56.00** Simple febrile convulsions
- **R56.01** Complex febrile convulsions
- **R56.1** Post traumatic seizures
- **R62.0** Delayed milestone in childhood
- **R62.51** Failure to thrive (child)
- **R62.52** Short stature (child)
- **R62.59** Other lack of expected normal physiological development in childhood
- **R63.0** Anorexia
- **R63.1** Polydipsia
- **R63.2** Polyphagia
- **R63.3** Feeding difficulties
- **R63.4** Abnormal weight loss
- **R63.5** Abnormal weight gain
- **R63.6** Underweight
- **R74.1** Nonspecific elevation of levels of transaminase and lactic acid dehydrogenase (LDH)
- **R94.5** Abnormal results of liver function studies
- **T86.41** Liver transplant rejection
- **T86.42** Liver transplant failure
- **T86.43** Liver transplant infection
- **T86.49** Other complications of liver transplant
- **Z00.00** Encounter for general adult medical examination without abnormal findings
- **Z00.01** Encounter for general adult medical examination with abnormal findings
- **Z01.812** Encounter for preprocedural laboratory examination
- **Z01.89** Encounter for other specified special examinations

### HCPCS Level II Supplies & Services

- **P9603** Travel allowance, one way in connection with medically necessary laboratory specimen collection drawn from homebound or nursing homebound patient; prorated miles actually travelled
- **P9604** Travel allowance, one way in connection with medically necessary laboratory specimen collection drawn from homebound or nursing homebound patient; prorated trip charge

### ICD-10-CM Diagnostic Codes

- **A06.4** Amebic liver abscess
- **A52.74** Syphilis of liver and other viscera
- **B15.0** Hepatitis A with hepatic coma
- **B15.9** Hepatitis A without hepatic coma
- **B16.0** Acute hepatitis B with delta-agent with hepatic coma
- **B16.1** Acute hepatitis B with delta-agent without hepatic coma
- **B16.2** Acute hepatitis B without delta-agent with hepatic coma
- **B16.3** Acute hepatitis B without delta-agent and without hepatic coma
- **B17.10** Acute hepatitis C with hepatic coma
- **B17.11** Acute hepatitis C without hepatic coma
- **B17.2** Acute hepatitis E
- **78076** Hepatic function panel This panel must include the following: Albumin (82040) Billirubin, total (82247) Bilirubin, direct (82248) Phosphatase, alkaline (84075) Protein, total (84155) Transferase, alanine amino (ALT) (SGPT) (84460) Transferase, aspartate amino (AST) (SGOT) (84450)

### Laboratory Cross Coder

- **80074** Acute hepatitis panel This panel must include the following: Hepatitis A antibody (HAV), IgM antibody (86709) Hepatitis B core antibody (HBcAB), IgM antibody (86705) Hepatitis B surface antigen (HBsAg) (87340) Hepatitis C antibody (86803)

### CPT

© 2017 Optum360, LLC. NCD — National Coverage Decision
CPT © 2017 American Medical Association. All Rights Reserved. [Resequenced code]  ♂ Female diagnosis  ♂ Male diagnosis

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**Laboratory Cross Coder**: 80074

**ICD-10-CM Diagnostic Codes**: 80076

**HCPCS Level II Supplies & Services**: P9603, P9604

**ICD-10-CM Diagnostic Codes**: A06.4, A52.74, B15.0, B15.9, B16.0, B16.1, B16.2, B17.10, B17.11, B17.2

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
Chemistry

82009-82010
82009 Ketone body(s) (e.g., acetone, acetoacetic acid, beta-hydroxybutyrate); qualitative
82010 quantitative

ICD-10-CM Diagnostic Codes
E09.10 Drug or chemical induced diabetes mellitus with ketoacidosis without coma
E10.10 Type 1 diabetes mellitus with ketoacidosis without coma
E18.11 Type 1 diabetes mellitus with ketoadiposis with coma
E18.641 Type 1 diabetes mellitus with hypoglycemia with coma
E13.10 Other specified diabetes mellitus with ketoacidosis without coma
E13.11 Other specified diabetes mellitus with ketoadiposis with coma
F18.120 Alcohol abuse with intoxication, uncomplicated
Z88.90 Encounter for general adult medical examination without abnormal findings
Z88.91 Encounter for general adult medical examination with abnormal findings
Z80.182 Encounter for preprocedural laboratory examination

82013
82013 Acetylcholinesterase

ICD-10-CM Diagnostic Codes
D57.411 Sickle-cell thalassemia with acute chest syndrome
D57.412 Sickle-cell thalassemia with splenic sequestration
D58.0 Hereditary spherocytosis
D64.4 Congenital dyserythropoietic anemia
D64.89 Other specified anemias
T44.0X1A Poisoning by anticholinesterase agents, accidental (unintentional), initial encounter
T44.0X2A Poisoning by anticholinesterase agents, intentional self-harm, initial encounter
T44.0X3A Poisoning by anticholinesterase agents, assault, initial encounter
T44.0X4A Poisoning by anticholinesterase agents, undetermined, initial encounter
T44.1X1A Poisoning by other parasympathomimetics (cholinergics), accidental (unintentional), initial encounter
T44.1X2A Poisoning by other parasympathomimetics (cholinergics), intentional self-harm, initial encounter
T44.1X3A Poisoning by other parasympathomimetics (cholinergics), assault, initial encounter
T44.1X4A Poisoning by other parasympathomimetics (cholinergics), undetermined, initial encounter
Z80.00 Encounter for general adult medical examination without abnormal findings
Z80.01 Encounter for general adult medical examination with abnormal findings
Z80.182 Encounter for preprocedural laboratory examination

82016-82017
82016 Acylcarnitines; qualitative, each specimen
82017 quantitative, each specimen

ICD-10-CM Diagnostic Codes
E71.310 Long chain/very long chain acyl CoA dehydrogenase deficiency
E71.311 Medium chain acyl CoA dehydrogenase deficiency
E71.312 Short chain acyl CoA dehydrogenase deficiency
E71.313 Glutaric aciduria type II
E71.314 Muscle carnitine palmitoyltransferase deficiency
E71.31B Other disorders of fatty acid oxidation
E71.32 Disorders of ketone metabolism
E71.41 Primary carnitine deficiency
E71.42 Carnitine deficiency due to inborn errors of metabolism
E71.43 Iatrogenic carnitine deficiency
E71.448 Ruvalcaba-Myhre-Smith syndrome
E71.448 Other secondary carnitine deficiency
Z80.00 Encounter for general adult medical examination without abnormal findings
Z80.01 Encounter for general adult medical examination with abnormal findings
Z80.182 Encounter for preprocedural laboratory examination

82024-82030
82024 Adrenocorticotropic hormone (ACTH)
82030 Adenosine, 5-monophosphate, cyclic (cyclic AMP)

ICD-10-CM Diagnostic Codes
C74.01 Malignant neoplasm of cortex of right adrenal gland
C74.02 Malignant neoplasm of cortex of left adrenal gland
C74.11 Malignant neoplasm of medulla of right adrenal gland
C74.12 Malignant neoplasm of medulla of left adrenal gland
E05.00 Thyrotoxicosis with diffuse goiter without thyrotoxic crisis or storm
E05.01 Thyrotoxicosis with diffuse goiter with thyrotoxic crisis or storm
E21.0 Primary hyperparathyroidism
E21.1 Secondary hyperparathyroidism, not elsewhere classified
E21.2 Other hyperparathyroidism
E22.0 Acronegaly and pituitary gigantism
E23.0 Hypopituitarism
E23.1 Drug-induced hypopituitarism
E24.0 Pituitary-dependent Cushing's disease
E24.2 Drug-induced Cushing's syndrome
E24.3 Ectopic ACTH syndrome
E24.4 Alcohol-induced pseudo-Cushing's syndrome
E24.8 Other Cushing's syndrome
E25.0 Congenital adrenogenital disorders associated with enzyme deficiency
E25.8 Other adrenogenital disorders
E27.0 Other adrenocortical overactivity
E27.1 Primary adrenocortical insufficiency
E27.2 Addisonian crisis
E27.3 Drug-induced adrenocortical insufficiency
E27.49 Other adrenocortical insufficiency
E89.2 Postprocedural hypopituitarism
E89.6 Postprocedural adrenocortical (-medullary) hypofunction
F32.0 Major depressive disorder, single episode, mild
F32.1 Major depressive disorder, single episode, moderate
F32.2 Major depressive disorder, single episode, severe without psychotic features
F32.3 Major depressive disorder, single episode, severe with psychotic features
F32.4 Major depressive disorder, single episode, in partial remission
Z80.00 Encounter for general adult medical examination without abnormal findings
Z80.01 Encounter for general adult medical examination with abnormal findings
Z80.182 Encounter for preprocedural laboratory examination

82040-82043
82040 Albumin; serum, plasma or whole blood
82042 urine or other source, quantitative, each specimen
82043 urine, microalbumin, quantitative

ICD-10-CM Diagnostic Codes
B52.0 Plasmodium malariae malaria with nephropathy
C88.8 Other malignant immunoproliferative diseases
E09.21 Drug or chemical induced diabetes mellitus with diabetic nephropathy
E09.22 Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease
E09.29 Drug or chemical induced diabetes mellitus with other diabetic kidney complication