

CMS Chronic Conditions Data Warehouse (CCW)

CCW Condition Algorithms *(rev. 06/2019)*

Algorithm	References
ADHD, Conduct Disorders, and Hyperkinetic Syndrome	<ol style="list-style-type: none"> SAMHSA http://store.samhsa.gov/product/Mental-Health-and-Substance-Abuse-Services-in-Medicaid-2003/SMA10-4608
Anxiety Disorders	<ol style="list-style-type: none"> Healthcare Cost and Utilization Project (HCUP) Appendix A - Clinical Classification Software-DIAGNOSES (January 1980 through September 2012) http://www.hcup-us.ahrq.gov/toolssoftware/ccs/AppendixASingleDX.txt
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Bipolar Disorder	<ol style="list-style-type: none"> SAMHSA category minus Depressive feature codes Mental Health and Substance Abuse Services in Medicaid, 2003: Charts and State Tables http://store.samhsa.gov/product/Mental-Health-and-Substance-Abuse-Services-in-Medicaid-2003/SMA10-4608
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Human Immunodeficiency Virus and/or Acquired Immunodeficiency Syndrome (HIV/AIDS)	<ol style="list-style-type: none"> <li>1. Healthcare Utilization Project – Clinical Classification Software (HCUP CCS) http://www.hcup-us.ahrq.gov/toolsssoftware/ccs/AppendixASingleDX.txt
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Migraine and Chronic Headache	<ol style="list-style-type: none"> <li>1. Vijay, J., Cady, P., Shaw, J. (2000) Health care utilization by migraine patients: a 1998 Medicaid population study. Clinical Therapeutics. 2000 Nov; 22(11):1346-56. <li>2. Healthcare Utilization Project – Clinical Classification Software (HCUP CCS) http://www.hcup-us.ahrq.gov/toolsssoftware/ccs/AppendixASingleDX.txt
Mobility Impairments	<ol style="list-style-type: none"> <li>1. Healthcare Utilization Project - Clinical Classification Software (HCUP CCS) http://www.hcup-us.ahrq.gov/toolsssoftware/ccs/AppendixASingleDX.txt
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Viral Hepatitis (General)	<ol style="list-style-type: none"> Healthcare Utilization Project – Clinical Classification Software (HCUP CCS) http://www.hcup-us.ahrq.gov/toolssoftware/ccs/AppendixASingleDX.txt
Hepatitis A Hepatitis B (acute or unspecified) Hepatitis B (chronic) Hepatitis C (acute) Hepatitis C (chronic) Hepatitis C (unspecified) Hepatitis D Hepatitis E	<ol style="list-style-type: none"> The Burden of Digestive Diseases in the United States, James E. Everhart, M.D., M.P.H., Editor, NIDDK Available at: http://www3.niddk.nih.gov/Burden_of_Digestive_Diseases/index.shtml#APPENDIX1 Bell B et al. The Epidemiology of Newly Diagnosed Chronic Liver Disease in Gastroenterology Practices in the United States: Results from Population-based Surveillance. Am J Gastroenterol 2008; 103: 2727-2736. Kim WR et al. Burden of liver disease in the United States: summary of a Workshop. Hepatology 2003; 36: 227-242. Gordon SC et al. Impact of disease severity on healthcare costs in patients with chronic hepatitis C (CHC) virus infection. Hepatology. 2012 Nov;56(5):1651-60. Roberts H et al. The contribution of viral hepatitis to the burden of chronic liver disease in the United States. Am J Gastroentrol 2014; 109:387–393. Centers for Disease Control and Prevention (CDC) Surveillance Website http://www.cdc.gov/HEPATITIS/Statistics/index.htm