

CMS Chronic Conditions Data Warehouse (CCW)

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

Algorithms	Reference Period (# of Years) ¹	Valid ICD-9 / MS DRG / HCPCS Codes	Valid ICD-10 Codes ²	Number/Type of Claims to Qualify ³
Sickle Cell Disease	5 Years	282.60, 282.61, 282.62, 282.63, 282.64, 282.68, 282.69, 282.41, 282.42,	D57.00, D57.01, D57.02, D57.1, D57.20, D57.211, D57.212, D57.219, D57.40, D57.411, D57.412, D57.419, D57.80, D57.811, D57.812, D57.819	3 or more non-drug claims of any service type with DX codes

¹ CCW data begins in 1999. When working with condition files prior to 2003, conditions with a reference period of 2-5 years will not have a sufficient length of data to fully meet the condition criteria in some years.

² ICD-10 codes are effective 10/2015; effective dates for ICD-9 codes vary, but are valid through 09/2015. Researchers may be interested in confirming the code(s) of interest in the accompanying claims data files.

³ When 2 claims are required, they must occur at least one day apart. Note that the claims inclusion rules for these algorithms differ somewhat from the rules for the set of ["CCW Chronic Condition Algorithms."](#)

⁴ The Viral Hepatitis (General) condition includes all other types of hepatitis covered; the variables for each specific type of hepatitis are not included in the Master Beneficiary Summary File (MBSF).