

# CMS Chronic Conditions Data Warehouse (CCW)

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

Algorithms	Reference Period (# of Years) <sup>1</sup>	Valid ICD-9 / MS DRG / HCPCS Codes	Valid ICD-10 Codes <sup>2</sup>	Number/Type of Claims to Qualify <sup>3</sup>
Autism Spectrum Disorders	2 Years	DX 299.0, 299.00, 299.01, 299.1, 299.11, 299.8, 299.80, 299.81, 299.9, 299.90, 299.91 <b>(any DX on the claim)</b>	DX F84.0, F84.3, F84.5, F84.8, F84.9 <b>(any DX on the claim)</b>	At least 1 inpatient <b>OR</b> 2 other non-drug claims of any service type with DX codes

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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."](#)

<sup>4</sup> 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).