# CMS Chronic Condition Warehouse (CCW)
## CCW Condition Algorithms (rev. 06/2019)

| Algorithms            | Reference Period (Number of Years)
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Learning Disabilities</td>
<td>2 Years</td>
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### Valid ICD-9/MS DRG/HCPCS Codes
- DX 315, 315.01, 315.02, 315.09, 315.1, 315.2, 315.31, 315.32, 315.34, 315.35, 315.39, 315.4 *(any DX on the claim)*

### Valid ICD-10 Codes
- DX F80.0, F80.1, F80.2, F80.4, F80.81, F80.82, F80.89, F80.9, F81.0, F81.2, F81.81, F81.89, F81.9, F82, H93.25, R48.0 *(any DX on the claim)*

### Number/Type of Claims to Qualify
- At least one inpatient claim OR two other non-drug claims of any service type during the two-year period

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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 two 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.”