**Autoimmune Diseases in Children and Adults with Celiac Disease from   
the Celiac Disease Foundation® iCureCeliac® Patient Registry**

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**Introduction:** Celiac disease (CeD) is associated with other autoimmune diseases (AID) and conditions, but the prevalence and related predictive factors for these comorbidities of CeD have not been fully explored.

**Methods:** Data obtained from 1,090 participants with biopsy-reported CeD enrolled in the iCureCeliac® Patient Registry were used to analyze the variety and frequency of previously associated AID and conditions, as well as their relationship to gender, age, and race/ethnicity. Diagnoses of autoimmune diseases and associated conditions were obtained from self-reported iCureCeliac® data.

**Results:** Among the 1,090 biopsy-reported iCureCeliac® participants, 91.3% were Caucasian and 82.7% were female, and the majority (44%) of patients were between the ages of 26 and <50 years old. The mean diagnosis age was 34.3 ± 15.2 years, the mean duration of celiac disease was 4.5 ± 6.4 years, and the mean number of years to a celiac disease diagnosis was 7.6 ± 12.2. Of these participants, 37% were diagnosed with at least one additional AID and/or associated condition. The most common AID/associated conditions were irritable bowel syndrome (19.5%), thyroid disease (15.5%), psoriasis (5.3%), ulcerative colitis (3.1%), rheumatoid arthritis (2.5%), and type 1 diabetes (2.1%). Addison’s disease was rare (0.2%), as was primary biliary cirrhosis (0.3%), and scleroderma (0.3%). The prevalence of one or more AID/associated conditions was increased in females and older adults.

**Conclusion:** In the iCureCeliac® Patient Registry, diagnosis of one or more autoimmune diseases/associated conditions in addition to celiac disease is common, particularly in women and older adults. These results have implications for primary care, gastroenterology, and rheumatology practice, and will allow healthcare providers to better predict and manage the additional autoimmune diseases/associated conditions that may develop in patients with celiac disease.

**Keywords:** celiac disease, autoimmune, comorbidity