



Title: Irritable Bowel Syndrome as a comorbidity of Gastroenteritis

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Abstract:

A 5 year retrospective observational analysis of private insurance claims collected in the Truven Health MarketScan Commercial Claims and Encounters dataset. We observed patients in the age range 20-29 years old presenting with a primary diagnosis under the esophagitis, gastroenteritis and other digestive diseases category who were hospitalized as a result of those illnesses between 2006 and 2010. We focused specifically on patients with a primary diagnosis being gastroenteritis and its possible connection to irritable bowel syndrome in those same patients. Results suggest that there is between a 0.71% chance for men and a 2.66% chance for women of developing irritable bowel syndrome in patients who have had gastroenteritis. The correlation is likely a result of the strain gastroenteritis puts on the bacterial colonies in the large intestine where both diseases tend to focus.