Amplity HEALTH

Assessing Prevalence of Hypoglycemia in a Medical Transcription Database

The following publication developed by Novo Nordisk and leveraging Amplity Insights' unique medical transcription database supports the hypothesis that hypoglycemia is underreported in traditional claims or electronic medical record (EMR) databases. Using an unstructured and nonbillable database allowed Novo Nordisk to gain a more in-depth understanding of hypoglycemia and its prevalence.

D Diabetes   **M** Metabolic Syndrome   **O** Obesity   **T** Targets and Therapy

Introduction

The prevalence of hypoglycemia in patients with diabetes mellitus is likely underreported, particularly with regard to nonsevere episodes, and representative estimates require more detailed data than claims or typical electronic health record (EHR) databases provide. This study examines the prevalence of hypoglycemia as identified in a medical transcription database.

Patients and Methods

The Amplity Insights database contains medical content dictated by providers detailing patient encounters with healthcare professionals (HCPs) from across the United States.

Natural language processing (NLP) was used to identify episodes of hypoglycemia using both symptom-based and non-symptom-based definitions of hypoglycemic events.

This study examined records of 41,688 patients with type 1 diabetes mellitus and 317,399 patients with type 2 diabetes mellitus between January 1, 2016, and April 30, 2018.

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