

## **2009 to 2015 saw increase in hyperglycemic events**

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(HealthDay)—From 2009 to 2015, there were increases in diabetic

ketoacidosis (DKA) and hyperglycemic hyperosmolar state (HHS) events among adults, according to a study published online March 11 in *Diabetes Care*.

Stephen R. Benoit, M.D., from the U.S. Centers for Disease Control and Prevention in Atlanta, and colleagues characterized [emergency department](#) visits and inpatient admissions with DKA and HHS using data from the Nationwide Emergency Department Sample and National Inpatient Sample from Jan. 1, 2006, through Sept. 30, 2015.

The researchers identified 184,255 and 27,532 events for DKA and HHS, respectively, in 2014. Most DKA events occurred in [young adults](#) aged 18 to 44 years and in adults with type 1 diabetes (61.7 and 70.6 percent, respectively); HHS events occurred more often in those aged 45 to 64 years and in adults with type 2 diabetes (47.5 and 88.1 percent, respectively). Of the hyperglycemic events, about 40 percent were in lower-income populations. From 2009 to 2015, event rates for DKA increased significantly in both emergency department and inpatient settings (annual percentage change [APC], 13.5 and 8.3 percent, respectively); a similar trend was observed for HHS (APC, 16.5 and 6.3 percent, respectively). The increase occurred in all age groups and among men and women.

"Although these data do not provide a definitive etiology, we do see some subpopulations at high risk of acute diabetic complications," the authors write.

**More information:** [Abstract/Full Text \(subscription or payment may be required\)](#)

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