

ICD-9 codes used for cohort identification

- a) Diabetes ketoacidosis: 250.10 (type 2 or unspecified, not uncontrolled), 250.11 (type 1, or juvenile), 250.12 (type 2 or unspecified, uncontrolled), 250.13 (type 1, uncontrolled), and 250.3 (diabetic coma, diabetic hypoglycemic coma, insulin coma, but only if admission blood glucose > 600 mg/dl)
- b) End-stage renal disease on chronic hemodialysis: 585.6 (CKD stage V requiring dialysis), V45.1, V45.11, V56.0 (hemodialysis)

Laboratory diagnostic criteria used to confirm cases of diabetes ketoacidosis

- a) BG > 250 mg/dl, bicarbonate \leq 18 mEq/L on admission, or measured beta-hydroxybutyrate > 3 + pH < 7.3 on admission, positive ketones + pH < 7.3.
- a) bicarbonate \leq 18 mEq/L on presentation plus osmolality \geq 300 mOsm/kg, or measured Betahydroxybutyrate > 3 + HHS features (BG > 500 + osmolality >300)